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DEC 21 1945
DETROIT

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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Stop Losses In Feeding

WHEN FEEDING margins are close, livestock men have to watch the corners. You may turn profit into loss this winter by bad management.

FAST GAINS are the cheapest on hogs. There is no economy in slow gains except when cheaper feed is in sight. There is no chance of cheaper feed now; feed may be higher. Full-feed the hogs.

TOO MUCH CORN will slow down hog gains. Feeding trials at seven stations show that pigs gain twice as fast when corn is balanced with protein, compared with feeding corn alone. At least one-tenth of the hog ration should be a good protein feed.

MIXED GRAINS and mixed proteins are better for hogs than one grain and one protein. Soft corn, particularly, will put more gains on hogs if mixed with some wheat, oats or barley. Supplement should contain both animal and vegetable proteins.

ALFALFA MEAL, made from green, leafy hay, gives dry-lot hogs what they get on grass in summer. Brood sows should have 15 per cent alfalfa meal in their rations. Fattening hogs can use 5 per cent to good advantage.

DRY-LOT FEEDING requires minerals and salt for fast gains. Salt doubled gains in a recent feeding test which compared pigs in a lot with no salt with another lot of pigs getting all the salt they wanted. Keep both salt and minerals before the hogs.

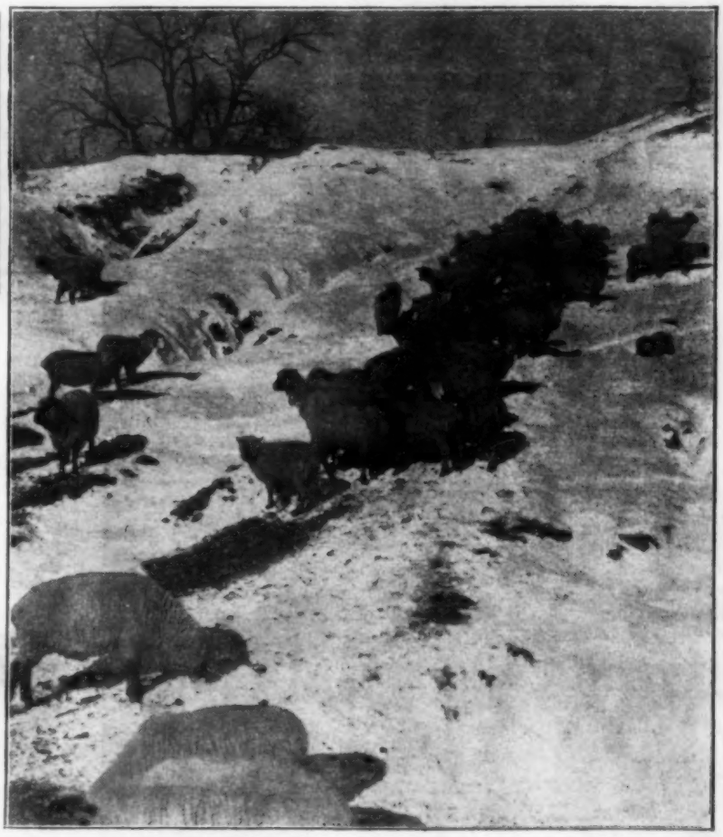
BOTH PROTEINS and minerals are needed in animal rations. Neither one will replace the other. They are a team which makes it possible for animals to make the best use of home-grown grains. Be sure both are in the hog lot.

TOPPING OFF the hog herd may help hog profits this year. Markets may get too many hogs at times in the next six weeks. Market gluts mean prices below ceilings. To insure against this danger, sell the hogs a few at a time as they reach good finish and weights.

SOFT CORN is one of the problems this winter for the feeders of hogs, cattle and sheep. How much is soft corn worth compared with sound corn? The South Dakota experiment station reports on that after two years' experiments:

DRY MATTER in soft corn is worth about 90 per cent as much as the dry matter in sound corn. This is an average for cattle, hogs and sheep. Cattle make the best use of soft corn, followed by hogs and sheep, in that order.

WHEN SHELLED, and containing 30 per cent moisture, soft corn would be worth 74 cents per bushel for feeding; at 35 per cent moisture, it would be worth 69 cents. Comparison is with 15 per cent moisture corn with 47.6 pounds of dry matter and worth $1 per bushel.



In Cold Weather livestock needs good feed and care, especially when the feeding margins are narrow. Something must replace the feed elements which grass provides in summer. Mixed grain, mixed roughages, mixed proteins, minerals and salt can be used to make even faster gains in winter than in summer.

Alfalfa Meal gives hogs nutrients in winter that they get from pastures in summer. With home-grown grains, balanced with both animal and vegetable proteins, minerals and salt, hogs will make fast gains during the winter months. And fast gains are cheap gains. The hogs pictured here are on a farm in Poweshiek county, Iowa.

DECEMBER 15, 1945

IOWA'S LEADING FARM NEWSPAPER

. . . clean as a hound's tooth . . .

. . . pine stumps for fires . . .

. . . 50% less power needed . . .

. . . old into new . . .

How to make winter planning pay profits

HERE are some suggestions which may help you to figure out ways to cut your costs next season, to save time on many jobs.

If your rear-wheel tractor tires are worn out or damaged, you can now replace them with new B. F. Goodrich tires that deliver full traction, get you through the low spots without spinning, save on fuel on any job. Notice the open center of the B. F. Goodrich tire. The cleats are high, properly spaced — and not connected to each other in any way. There are no corners to fill up with mud and trash. The tread is clean as a hound's tooth, stays clean where many tires fill up. That means extra traction.

Thanks to a B. F. Goodrich discovery you can now get tires made with a new kind of synthetic rubber. (Soap is used in the process of making synthetic rubber. B. F. Goodrich developed a better rubber using rosin soap from pine stumps.) This rubber is far superior to any other synthetic in tread wear and in resistance to cracking and chipping.

So — the first suggestion is that you plan now to replace old tires with these new B. F. Goodrich tires that give you both extra traction and long life.

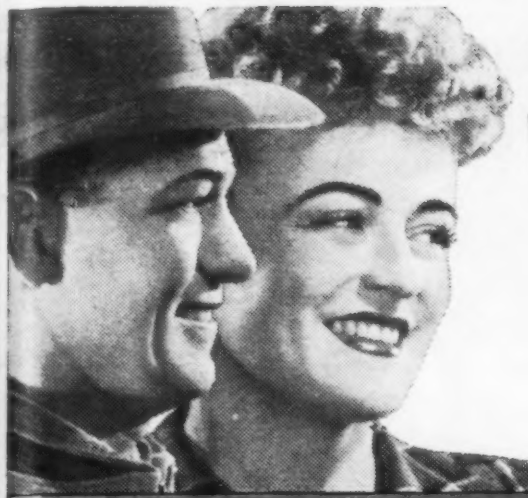
The second suggestion is that you check your steel-wheeled implements — see which can profitably be changed over to rubber tires. Tires on implements speed up moving from job to job, reduce rolling resistance, sometimes use as much as 50% less power than steel wheels.

Here's another real money-saver you can plan on. If you have tires that are worn down but are sound underneath, you can have them Durecapped. Make practically new tires out of old ones. With this exclusive B. F. Goodrich method you get new tire traction and a new long-wearing tread.

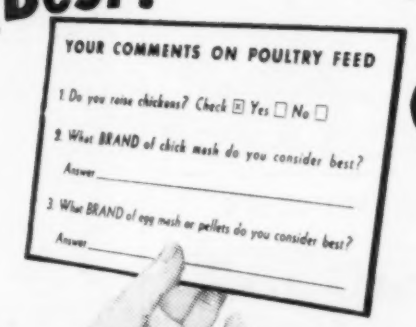
Make these winter plans now. Talk to the B. F. Goodrich dealer on your next trip to town. He will help you in getting new tires, in changing over steel-wheeled tractors and implements, in Durecapping old tires. His prices are right, too. Act now — for greater farming profits next season.

Farm Tires BY

B. F. Goodrich



What Chick Mash Is Best?



POULTRY-RAISERS IN THIS AREA VOTE

Nutrena CHICK MASH

REG. U. S. PAT. OFF.

Best 2 to 1

OVER 2nd BEST FEED
3½ to 1 over 3rd Best..
4 to 1 over 4th Best

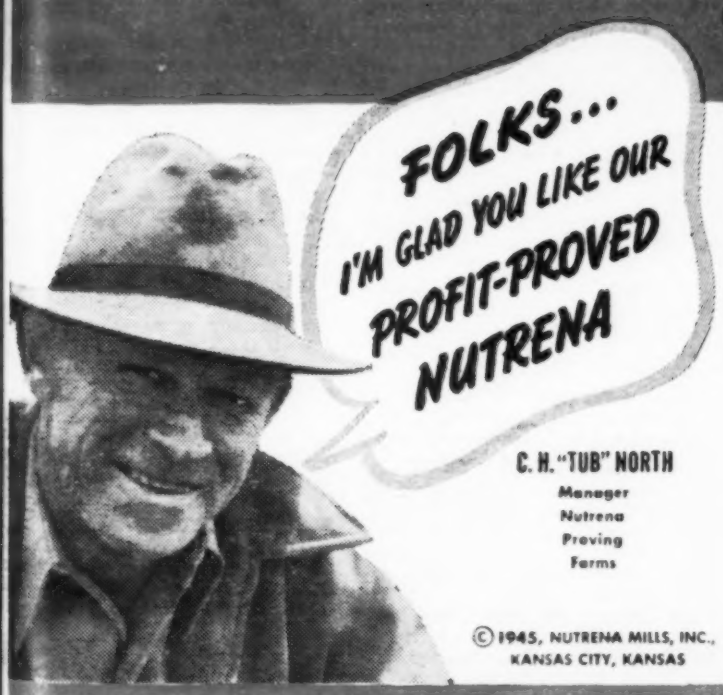
There are dozens of brands of Chick Mash. Which **one** is best?

At last there is an answer . . . direct from surveyed poultry-raisers. This impartial unbiased survey was conducted by Robert S. Conlan & Associates.

And the answer is—"Nutrena is best of all." Nutrena got twice as many votes as the second place chick mash!

This answer is important to you. You **know** that the better your chick mash the better your livability, growth and profit should be.

So why experiment? When you start your chicks, depend on Nutrena Chick Mash, as so many, many thousands of successful poultry-raisers do. Then you, too, will Be Sure! Be Safe! Be Thrifty!



C. H. "TUB" NORTH
Manager
Nutrena
Proving
Farms

©1945, NUTRENA MILLS, INC., KANSAS CITY, KANSAS

See Your Nutrena Dealer Now for
Nutrena ALL-MASH EGG PELLETS or Nutrena EGG MASH

"Better get yourself a Red Hed, Jim."

"After seeing yours, I'll say you're right, Bill."

NEW WAY TO CUT CORN SHELLING COSTS

PATENTED OPEN KERNOLIZER
SPEEDS SHELLING BY 3-WAY ACTION

Now there's a new Corn Sheller that offers you a real low cost way of shelling corn. The savings in labor cost, in storage space and cost, in transportation cost will soon more than pay its price.

This great machine is the Harvey Red Hed Corn Sheller featuring the exclusive patented open KERNOLIZER. Here's how this triple-action device, found only in Corn Shellers made by Harvey, works to make more money for you: While doing a job of shelling on the outside of the unit (second to no other Corn Sheller in the Market) at the very same time it is handling corn on the inside, shelling it cleaner and increasing capacity just that much more. No danger of "choking", even when you feed fast for while the KERNOLIZER is doing this double shelling job, it is also pushing cobs and husks toward the discharge. The KERNOLIZER does a great job on snapped corn, too.

HARVEY RED HED CORN SHELLER

TRIPLE-ACTION SPEEDS SHELLING • • • ASK YOUR DEALER OR MAIL COUPON FOR FACTS

Harvey, makers of quality farm equipment for over 50 years, has outdone itself in the fine corn sheller: The sturdy all-steel precision construction throughout, the screen pre-cleaner and the final cleaner operating with controlled air blast, the adjustable cob outlet, the 4-way feed hopper, the corn discharge auger floating on sealed, dust-proof ball bearings—all these are worthy of the KERNOLIZER that brings shelling speed to a new high and shelling costs to a new low.

SAVE MORE MONEY—MAKE MORE MONEY

Every farmer knows that shelled corn makes him more money because it saves storage, and transportation costs as well as feeding waste.

Every day you do without a modern Corn Sheller, you are losing money you might be making. Because of its low cost of shelling, the Harvey Red Hed Corn Sheller with its patented open triple-action KERNOLIZER will help make you the greatest possible earnings from your farm. You are farming to make money. The new Harvey Red Hed is here to help you do just that. Don't delay. Get all the facts. It costs nothing to find out. Don't think of this great machine as something you'd like to have sometime but rather, decide it is absolutely necessary for you to have one *now*, in order to make all the money your farm can produce. That may be one of the most important decisions you have ever made. To start making more money soon, take the first step by filling out and mailing the coupon. A pencil will do.

NEW HARVEY RED HED HAMMER MILL

1/3 FASTER DUE TO SUPER FLY WHEEL ACTION

The new machine which has startled Agricultural America offers a new low cost way of making 4 bushels of grain or roughage equal five in feed value. Larger scientifically designed cylinder speeds sturdy swinging hammers to 3 miles a minute, delivering 80 to 280 feed smashing 12-ton blows a second! For feed grinding at its best check coupon to get all the important facts.

MAKE YOURS A RED HED SEE YOUR DEALER NOW

MAIL IT NOW!

HARVEY MANUFACTURING CO.
DEPARTMENT 93 RACINE, WIS.

Please give me full information showing how and why your triple-action Harvey Red Hed Corn Sheller with the KERNOLIZER will help me increase my farm earnings.

Name .....

Address .....

Town .....

R. F. D. .....

State .....

My nearest implement dealer is .....

I farm ..... acres.

Check Here ☐ for Hammer Mill Facts.

Off to Market These Iowa sows went to market at 250 pounds. More sows may be marketed this winter and fewer kept for breeding than a year ago.

INSIDE STUFF

BEST CHRISTMAS GIFT to many farm families is to have one of the boys in the service home again. And even if the boy isn't home yet, at least nobody is shooting at him.

▲ ▲

PRODUCTION GOALS for farms in 1946 are about as high as in 1945. Predictions are that prices will be good in most areas. In this sense, "good" means above support levels. That still means 10 to 15 per cent less income.

▲ ▲

EXCEPTIONS to "good" may be eggs next spring, dairy products next summer, beef in case the record numbers on feed come back to market in a rush. These possible dangers can be headed off if export sales increase and if pay rolls keep up.

▲ ▲

DID YOU EVER wonder how Argentine stock men got really good beef on a ration made up of nothing but grass. So did Arthur T. Thompson, once of our staff, now in Buenos Aires. He writes:

▲ ▲

"IT LOOK AS IF the good grass beef comes from being able to keep animals on grass of very heavy growth steadily. The forage is alfalfa most of the year, with rye in the winter. . . . Only when pasture is short do they turn to corn."

▲ ▲

MY COPY of "The Old Farmer's Almanac, 1946," arrived this week. It is published in Dublin, N. H., and has been going now for 154 years.

▲ ▲

IF YOU LIKE old-fashioned almanacs, with weather predictions a year ahead, and odd information, such as: "Bear shooting season (with bows and arrows) is October 17 to November 19 in Wisconsin," you'll enjoy it. I liked, too, the December verse:

It may have been a night like this,
With wind as sharp as this wind is;
It may have been, for all we know,
A snow as bitter as this snow;
And tracks—a donkey's and a man's—
Breaking, like ours, the white expanse
That spread like this—it may have been—
Between the stable and the inn.

FARM COUNTIES in Iowa made a good showing in bond drives. Of the counties that met quotas in all the campaigns, none was a big city county.

▲ ▲

WHEN EARL SMITH quit as president of the IAA after 20 years, Charles B. Shuman, of Moultrie county, Illinois, took his place. Shuman is a comparatively young man who didn't start farming until 1929.

▲ ▲

STILL YOUNGER men have been knocking senators, admirals and generals around at Washington. The scientists who made the atomic bomb average around 30 years in age. They've been taking pleasure in showing up errors by big shots.

▲ ▲

THE GENERAL who said we could stay ahead of the world in atomic work was told by a young scientist that we had a margin of from six months to three years, not more. And the admiral who claimed there were not enough bombs to sink a navy was contradicted by one of the men who is making them.

▲ ▲

HOW MANY BABIES will be seeing lighted Christmas trees for the first time this year? Their eyes will get wider; they will gasp a little, and they'll hold out their hands.

▲ ▲

THERE NEVER is a better Christmas than when a young family—father and mother and the first baby—are having their first joint celebration. In some of those families, the baby was two or three years old before all three could get together.

▲ ▲

AT OUR PLACE, the pullets are laying well, the cow is doing her duty and the departed pig is back again in the shape of breakfast bacon. How fine to have bacon and eggs again!

▲ ▲

BUT I'VE A GUILTY feeling that I should be wrapping up some of that bacon and mailing it to a family in Europe. How many millions abroad this year will find starvation the only gift on their Christmas tree!

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
(Volume 70—Number 24)

Dante M. Pierce, Publisher. Published first and third Saturdays of each month, at 1912 Grand Ave., Des Moines, Iowa. Subscription price, postpaid, $1 for two years. Canadian and foreign countries, $1.25 for one year.

Henry A. Wallace, Editor (on leave of absence as Secretary of Commerce). Editors: Donald R. Murphy, Homer Husk, Cyril L. Moffitt, Wendell S. Clampitt. Zoe R. Murphy, Home Department; Earl F. Wisdom, Legal Editor; F. I. Wood, Service Bureau.

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Entered as second-class matter, Oct. 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.

The Logical Place

to Meet the Man Who Can Pay the Most
Net Dollars for Your Livestock Is the

CHICAGO
Union Stock Yard

"The Great Central Market"

which was established 80 years ago this Christmas to concentrate the scattered demand from a large portion of the country and give producers the benefit of the greatest possible competition for their livestock.

Strategically located at the greatest railroad center between the producing regions of the west and the consuming sections of the east, this institution has demonstrated the advantages of the open competitive market by handling each year for satisfied patrons more livestock than any other market outlet on the face of the globe.

Ship Your Stock to
CHICAGO

Editorials

Too Many Pigs Die Young

HOW many pigs did you lose per litter this year? Nobody has any very good figures covering the total loss, but it mounts up to staggering proportions.

One swine record association reports a loss of 18 per cent for the average litter from farrowing time on. Another reports a loss of 21 per cent.

The average number of pigs raised per litter by these purebred men was higher than the average for all farms. It is likely that their loss percentage was lower than on many farms.

When we start to cut costs on raising pigs, that heavy death loss—often a loss that comes in the first few weeks—is one of the places to start.

Farmers can make a start now in careful selection of sows and gilts for spring litters. But a lot will have to be done in the feeding of sows, cleaning of quarters, care of pigs at farrowing time and later, to whittle that loss figure down to a reasonable point.

It's much easier to make money on pigs when the average litter raised has eight pigs than when it has five.

Farmers Need Retirement Pensions, Too

"WE DON'T need plans for old-age annuities," one man says. "Everybody ought to save up enough money to support himself when he becomes old."

Perhaps. But that isn't what happens.

The Social Security Board estimates that in early 1945, while many older people were still employed on war work, there were 6,350,000 people of 65 and over who had retired.

Of these, only 1,620,000 were paying their own way in the old-fashioned style of living on savings, etc.

Some 650,000 were being helped by the federal type of annuity, to which people benefited contributed thru their working years. Another group of 565,000 were on other types of pensions to which they had contributed.

But 2,370,000 folks were on relief. And 450,000 were being supported by relatives, friends, etc.

Wouldn't it be better to have these people contribute a small share of their earnings thruout their working life, and then be eligible for a pension they can get without proving they are paupers?

Social Security annuities can't yet be secured by farmers. But Wallaces' Farmer and Iowa Homestead believes the law should be changed to give farmers a chance at retirement pensions, too.

We Don't Have to Take A Slump

WHAT happens next? Suppose we just let nature take its course, don't plan for full employment, and don't pay attention to supporting farm income at parity levels.

Henry Wallace's economists in the Department of Commerce have been working on this problem. They estimate unemployment of about seven million in 1946, with a drop to four or five million in '47 and '48. In 1950, the unemployed total may rise to seven or eight million.

This would mean heavy cuts in farm income, too, of course, by 1950.

These things are likely to happen. But they need not if folks are willing to take action.

If people had sat still and let things happen, the Nazis would be in Washington and the Japs in San Francisco today.

We can plan and carry out campaigns against unemployment and low farm prices, too.

Better Sell Hogs on Carcass Grade

WHEN hog prices are near the ceiling, we get few grading complaints from farmers, but during the time that the market was at support levels, many farmers reported unjustified docking and down-grading.

Some farmers are swinging to the view that carcass grading, under federal inspection, is the best way to handle hog sales. Then a farmer gets paid on the basis of what the hog actually yields in salable meat and lard.

Main objection is that carcass grading would mean a delay of several days in payment. Few farmers would worry much about this, if they were satisfied they were getting what the hogs were actually worth.

SELL MORE FOOD

If we raise 40 per cent more food than before the war, where do we sell it?

In pre-war days, farmers sold almost half of the food produced to the one-fourth of the nation's families with incomes of $1,715 a year and over.

Frank R. Garfield, of the Federal Reserve System, summarizes the way in which food purchases were distributed in 1935-36 among the families of the nation:

	Per cent
Lowest one-fourth (incomes under $635 a year)	13
Second one-fourth ($635 to $1,070)	20
Third one-fourth ($1,070 to $1,715)	27
Top one-fourth ($1,715 and up)	40

Pull the incomes of the bottom one-half up to the level of the folks who have from $1,070 to $1,715, and you can sell 21 per cent more food. Bring everybody up to the level of the top one-fourth and you can sell 60 per cent more food.

The one-fourth of the families with the lowest incomes only averaged $218 per year spent for food. The same number of families in the upper one-fourth spent $685 a year for food. That shows where the biggest opportunity for increasing food sales lies.

More Folks Got a Taste Of Butter

BUTTER rationing is over now. Butter subsidies will soon be ended. What did the farmer get out of both?

Plenty of trouble while they lasted. More trouble when the subsidies end.

But rationing and subsidies did do something to help the dairyman's post-war market.

If butter prices had been higher, and if there had been no rationing, folks with the best incomes would have gobbled up all the butter.

People with smaller incomes would have been forced to use butter substitutes. By the end of the war, they would have forgotten what butter tasted like.

Thru rationing, subsidies and price control, a big block of the population got some butter to eat—tho not as much as they wanted.

It will be easier to sell these folks butter in the future than if high prices and lack of rationing had driven them to the use of other spreads.

Probably twice as many people got to eat some butter during the war than would have eaten it if there had been no rationing, no subsidies and no ceilings.

That will mean something as farmers try to expand butter sales in the future.

Great-Grandpa Had His Price Troubles, Too

IF Great-Grandpa came into Iowa one hundred years ago, just when the territory was about to turn into a state, he found a condition a lot like that of 1932.

There have been depressions and booms before our time. One of the big booms ended with a crash in 1837. And the effects of the crash were still being felt in 1845 and 1846.

In the Iowa News of June 30, 1837 (the file is in the Dubuque library), corn was priced at $1.25 a bushel. But the same issue tells of bank troubles and the suspension of specie payments.

By November of 1841, the Miners Express, Dubuque, was listing regular quotations in bank notes. Here are some:

Bank of Cincinnati—No sale.
Bank of Gallipolis—Failed.
Bank of Dubuque—Fraud.
Bank of Missouri, St. Louis—10.
State Bank of Illinois—8.

In other words, if you had $1,000 in notes of the Bank of Dubuque, in 1841, you had nothing. If you had $1,000 in notes of the Bank of Missouri, at St. Louis, you had $100.

Times were getting tough. And the Miners Express of April 30, 1845, proves it by these quotations. Compare them with the $1.25 corn of 1837:

Corn—37½ cents a bushel.
Oats—25 cents a bushel.
Butter—15 to 18 cents a pound.
Eggs—8 cents a dozen.

The livestock market (including bear skins) was pictured in the issue of June 4, 1845:

Pork, fresh, per hundred pounds—$3.
Muskrat skins—8 to 12 cents apiece.
Bear skins—$2 to $4 apiece.
Wolf skins—35 to 40 cents apiece.

Quotations from 1846 are missing. But in the October 13, 1847, issue—the same that reported the battle of Chapultepec, at Mexico City (the battle took place September 13), prices for farm products were as follows:

Corn—25 to 30 cents a bushel.
Oats—20 to 25 cents a bushel.
Butter—10 to 12 cents a pound.
Eggs—8 to 10 cents a pound.

One candid visitor remarked that a fellow couldn't make money farming at those prices, but he might do well by taking up land and waiting for the price to rise.

He was right. There was another boom coming and another bust, in 1857. Another boom—the Civil war—and another bust right after.

Great-Grandfather had his troubles, too.

We'll Keep Farm Census Up to Date

RETURNS on the 1945 agricultural census are just beginning to come in. This is faster than usual, but still the census—taken last winter, before the war ended—is already beginning to be out of date.

Best remedy for this has come from the Statistical Laboratory at Iowa State College. In the nation, 300,000 farms have been selected, which form a cross-section of all the farms in the country.

Check up once a year on what is happening on these farms, and you know what is happening on all farms. The census can be brought up to date and the results issued in a hurry.

Snedecor, King and Jessen, of the Statistical Laboratory, are going to make future census reports—based on sampling—almost as up to date as crop reports.

The big census is still needed, to check up on these small samples. But the real census news in the future will come from the samples, and it will come fast.

Odds *and* Ends

DON'T send all the hogs to market at once. Or do you want ceiling prices?

TOO many eggs are likely in late winter, if we depend on demand in the United States. If we send plenty of dried eggs to Europe, there won't be any egg surplus.

ANOTHER attempt is being made to get rid of the 160-acre limit in the Reclamation Act. The National Reclamation Association, which also opposes MVA, wants to end this protection for the family-sized farm.

UNIVERSAL conscription? No, says the National Grange. Pay enough to get the soldiers and sailors you need on a voluntary basis.

IF THERE'S another flu epidemic—we hope not—the army has a vaccine that seems to head off many cases. And if you still get flu, and pneumonia follows, there's sulfa now. Neither vaccine nor sulfa was available in the big 1918 epidemic.

HELP for the dairyman! "We should seriously consider a Food Stamp plan for milk and other dairy products for the underprivileged," says A. H. Lauterbach, manager of Chicago's Pure Milk Association.

FARMERS have been putting about 10 per cent of their net income into U. S. War and Victory Bonds, says a treasury official. The total bought by farmers since the war started comes to around five billions.

MILK drivers want to go back to every-day delivery in the cities. This might push retail cost of milk up 1½ cents a quart, with resultant damage to total sales. Best deal for whole milk producers is probably the cash-and-carry system, with lower distribution costs making lower prices to the consumer.

DON'T worry too much about war workers drawing unemployment checks and not looking for jobs. In Des Moines, 36.2 per cent of ordnance plant folks did not draw unemployment pay at all. Average unemployment pay was only for 5.7 weeks.

IOWA farm land is up again. W. G. Murray, of Iowa State College reports a preliminary estimate that indicates a gain of around $50 an acre since before Pearl Harbor. The average then was $90 an acre. Now the figure is around $140.

PERHAPS the prophet Isaiah was talking about the atomic bomb: "They are wise to do evil, but to do good they have no knowledge."

EVEN during the war, nursing and expectant mothers in Great Britain could get a pint of milk a day at half price. More milk could be obtained free by these women if the family income was below $10 a week.

ONE hog raiser tells us that next year's support price on hogs is too low, but adds that he is going to keep more sows. If enough farmers are discouraged, he thinks production might drop and the market price go up.

FARMERS are already paying part of the costs of Social Security programs, but are not getting any benefits. Revision of the Social Security program is needed to let farmers buy old-age annuities.

Song of the Lazy Farmer

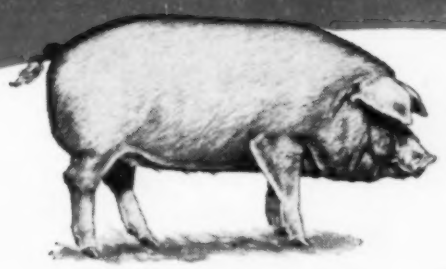
NOW I've subscribed to Victory Loan, you'll never hear me wail or moan about the taxes I must pay or higher cost of help next May. My neighbor Jones is awful tight and counts his nickels every night, and says the government expense shows woeful lack of business sense. He claims if they would hire him, he'd show 'em how to save with vim, and to those drives for sellin' bonds he never eagerly responds. He's lookin' for some bargain land his homestead acres to expand, altho I tell him it ain't sound to throw your money in the ground when human needs are in such state, and buyin' farms will just inflate all rural values to a point where plans will be all out of joint.

This season finds my barns and bins all burstin' as the country wins its four-year struggle with the Japs, and as this bounty hits our laps I'd hate to be a slacker now, or think because we won the row that all our duties are complete—good-bye defense, no more defeat. That kind of doctrine ain't the brand to which I give a willing hand. I have a hunch that's pretty strong that bond subscribers can't go wrong, and if I loan to Uncle Sam, he'll use my coin for good of man, to get our soldiers from abroad and catch cheap crooks and frustrate fraud, and feed some hungry foreign kids, and keep this country off the skids. Besides all this, I aim to strive to sell some bonds in Victory Drive.

Are Your Bred Sows Building

Thrifty PIGS OR ????

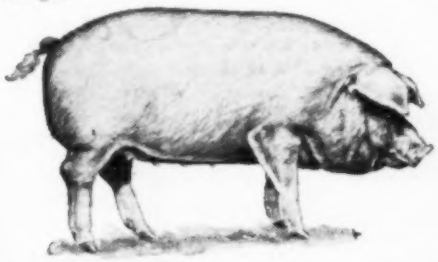
—the kind of pigs you get next Spring depends on how you feed the SOWS this winter—



GRAIN and WATER

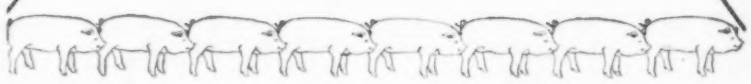
This is what you get next spring.

Grain and slops simply do not give bred sows the proteins, minerals, vitamins they MUST have to build big litters that will LIVE and thrive. Tests at Purdue show that ¾ lb. extra weight on a pig at birth, due to BALANCED feeding, gives each pig a 2 to 1 better chance to come through.



BALANCED RATIONS

This is what you get next spring.



Start feeding your sows BALANCED rations as soon as they are bred, and they will give you big, husky pigs that will have TWICE the chance of survival next spring. At Illinois they found that sows, properly fed, weaned 83% of their pigs—while sows improperly fed weaned only 13%. U. S. Dept. of Agriculture says: "During pregnancy sows should receive feeds which contain plenty of PROTEIN, MINERAL, and VITAMINS."

IT'S THE FEED THAT MAKES THE PIGS—Blended proteins, the first needs of life for tissue, growth, and repair, Minerals for bones and blood, Vitamins for health and disease resistance—all of which means better pigs and better profits. Your feed dealer will gladly give you helpful suggestions on proper rations.

FEED INSTITUTE OF IOWA

830 Liberty Bldg. DES MOINES

Who Wants Dried Milk?

War Exports Took Two-Thirds of Mammoth '45 Dried Milk Production, But War's Over

WHO wants to go back to washing the separator again? And who wants that skim-milk for the pigs once more?

These questions come up in the dairy districts where folks started to sell whole milk instead of cream a few years ago.

The war-time demand for dried non-fat milk solids (skim-milk) made it profitable for many creameries to put in drying plants, and change over to a whole-milk business.

Farm wives liked not having separators to wash. Farmers missed the skim-milk for pigs, but enjoyed the good whole-milk price.

Now that the war market is over, what will happen to these drying plants?

The size of the problem is shown by the fact that dried milk (both skim and whole) only averaged 262 million pounds annually during the pre-war period.

In 1944, the total ran up to 756 million pounds. Probably the 1945 total will be 900 million pounds.

Of this total, 600 million pounds went for lend-lease, service needs, UNRRA, etc. Domestic demand only handled 300 million pounds.

Now, with the war over, what happens to the 600 million pounds? Relief needs may cushion the blow, but a surplus of dried milk is certainly on the way.

Some skim-milk powder will go back into livestock feed again. Efforts will be made to expand the home market, thru greater sales to bakeries and in household use. But this product is almost certain to present marketing difficulties for some time.

If bakers would use dried non-fat milk solids in bread, up to 6 per cent of the total ingredients, this would require a total of 200 million pounds. In addition, it would turn out a product that would be of very high food value.

But will consumers want it?

A. W. Rudnick, of Iowa State College, thinks there may be a future in export sales to undernourished people of the Orient.

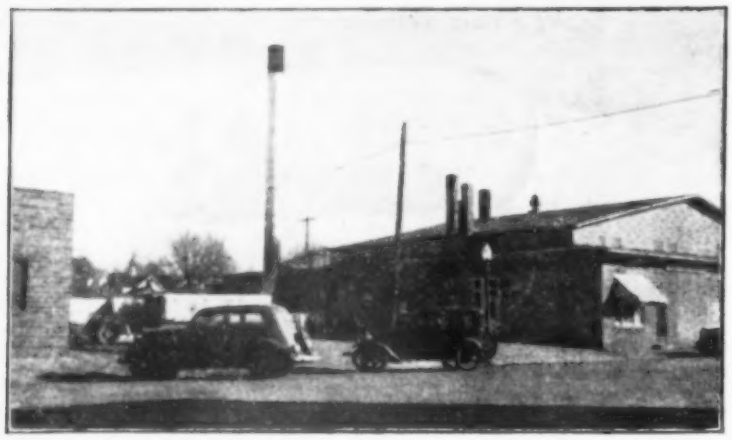
"For once, we have something good which we can sell to low income countries," he asserts. Non-fat milk solids is our cheapest protein.

Dried whole milk has a future in some areas, where cows and refrigeration are both scarce. Add 10 parts of water to one of milk, and you have something that is nutritionally the equal of a glass of milk. But it still does not taste just right. More research may be expected to improve the situation.

Managers of whole milk plants in Iowa are hopeful that the drying business—which they like—can find future markets.

Slim, pleasant Al Baldwin, of the Sanborn, Iowa, plant, operates two roller units. Last July, he was running three shifts of the driers, operating 24 hours a day in the first process. The partly condensed milk, at 170 degrees, was poured in on top of a heated roller.

The bubbling liquid changed to a dry, tissue-paper film as it passed down the side of a roller, and this was scraped off, to be carried away by an auger. It ended up packed in 200-pound barrels, with moisture-proof liners.



'Round the Clock At peak of milk receipts, this cooperative at Sanborn, O'Brien county, Iowa, ran two roller units 24 hours a day to turn out dried non-fat milk solids.

"Farmers like to sell whole milk," Baldwin said. "We had to turn down customers last winter when the government subsidy on whole milk was so high."

Now, subsidies are about equalized between whole milk and butterfat, but he expects the whole milk deliveries to be maintained.

At first, farmers say: "We've got to have the skim-milk for our pigs," testified Ralph Bartlett, manager of the plant at Sibley, in Osceola county, Iowa.

"But," says he, "there is a better and cheaper way to feed them protein. Milk will be sour, then sweet, and too often mixed with mud in the trough—not as satisfactory as getting the dried product from a self-feeder.

"Now, the same amount of protein supplement may be bought for half as much as the skim-milk will bring. The farmer's check is increased 35 per cent by permitting the creamery to have the skim-milk as well as the cream."

Plant managers like the whole-milk business, too. Baldwin is impressed by the improved quality of cream they get. And there are so many more market outlets, he explains.

His plant is diversified—they have one spray and one roller type drier, evaporating pans for condensed milk, and they retail market milk, even to farmers. More of the customers are coming to ask for pasteurized milk.

Bartlett can manufacture unsalted butter, too, since their cream is always sweet. The Sibley plant runs 29 trucks, serving patrons in 10 or 11 counties in the states of Iowa and Minnesota.

Dried milk plants are able to supply city milk-sheds with fluid milk and cream when shortages arise.

"They are being run to death," says Rudnick, "helping out the fluid people. Estherville is shipping orders to Des Moines. All the sweet cream at Algona is going into the liquid market." (They can thus pay a larger differential for sweet cream than the 1 cent per pound of butterfat which the law requires.)

How does this add up for the dairyman's future? First concern is the pay roll situation in the big market milk areas.

If this market shrinks, if whole-milk surpluses develop, some will back up into butter and into dried milk. That will make the surplus problem even worse.

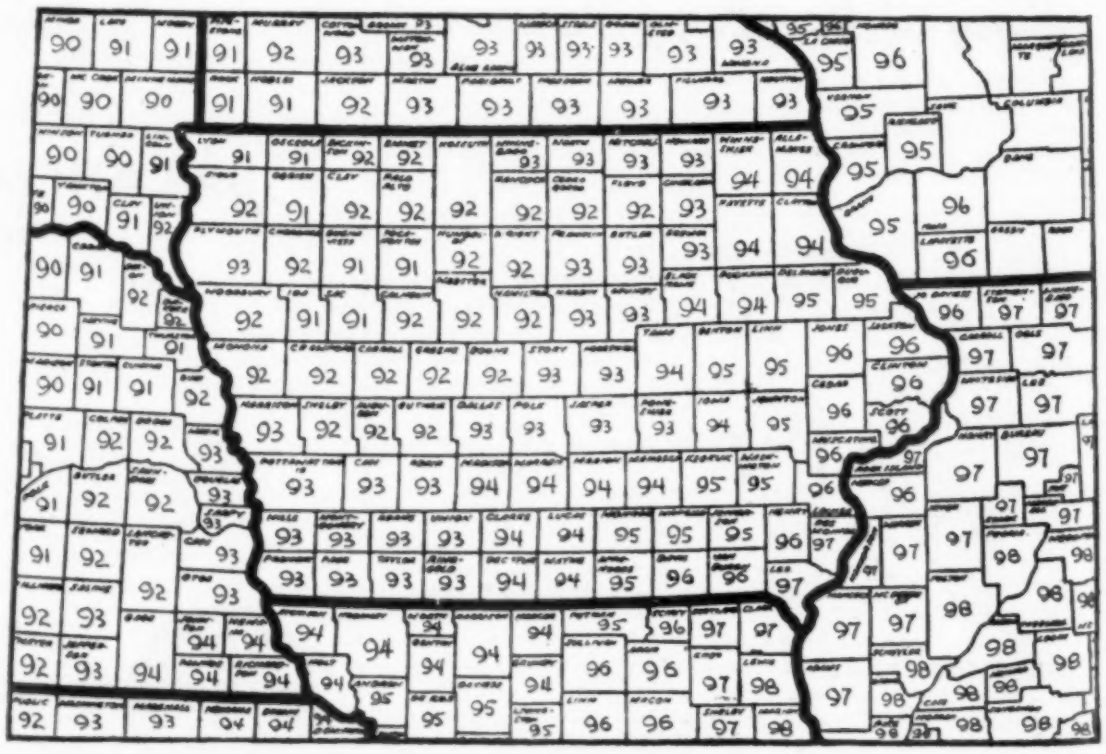
If pay rolls stay high, and if consumers will buy dried whole and skim-milk in the many ways they can be used, the prospects for whole milk plants are more cheerful.

In the long run, it seems likely that non-fat milk solids (skim-milk) are just too good to feed to pigs. People will pay more than pigs—provided the people will have jobs and something to use for money.

For Pigs Ralph Bartlett, manager of Sibley cooperative, says there are better sources of protein for pigs than liquid skim-milk.

Can Get Corn Loans Now

Loans Average 3 Cents Higher; County Rates Vary 8 Cents



Corn Loans on the 1945 crop are now available to producers at rates 3 cents higher than on the 1944 crop. County rates, as shown on the map, vary from 90 cents in southeastern South Dakota to 98 cents in central Illinois. County AAA offices will receive applications for loans. Corn, to be eligible, must not have more than 20½ per cent moisture, and must grade No. 3 on other points. Loans will bear 3 per cent interest and mature on or before October 1, 1946. Sealing charge will be 1 per cent.

• Gene Buck farms about 100 acres of land that looks as flat as a barn floor.

So he was kind of surprised three years ago when a gully started showing up in one of his best fields. By the end of the summer, it was so deep that he couldn't get over it with the tractor rig.

That fall Gene was busy cutting brush and throwing it into the ditch when the County Agricultural Agent came by.

"Sure, brush will help catch the topsoil," the County Agent said. "But I believe a better way to stop gullies is to keep the topsoil from ever starting to wash. A good many farmers around here are saving topsoil and getting bigger crops by farming around the slopes."

"Never thought till now that I *had* any slopes on this farm," Gene said.

The County Agent asked Gene Buck to go with him on a soil-conservation trip around the county to see what contour farming was doing for other farmers in level sections.

After that trip, Gene quit plowing his land as if it were flat. With a little help from the County Agent, he staked out the contours of his fields, made terraces with his turning plow. And he has followed those contours in plowing, planting, and cultivating ever since.

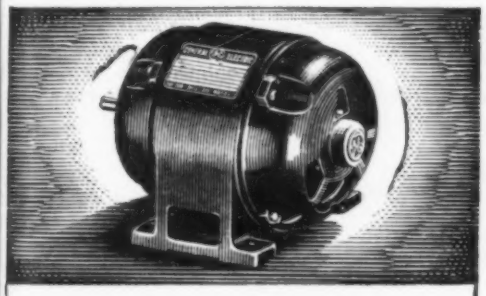
After farming around the slopes for two dry summers and a wet one, Gene figures it pays off plenty—in bigger crops and in topsoil saved. In wet years, the contours keep the topsoil from washing away. And in dry years, what rain there is soaks in instead of running off.

"Over the three years, I've put 12 per cent more corn in the bin from the same number of acres," Gene says. "By plowing right, I figure I've added 12 acres to my farm."

And Gene Buck calls this increase in the "size" of his farm "the County Agent's 12 extra acres."

All over the country, farmers are getting help from their County Agents that makes farming *better* and *easier*.

Another thing that good farmers are doing to farm better and easier is to make full use of electricity.



G-E *TRI-CLAD MOTORS ARE BUILT FOR HARD FARM DUTY

G-E Tri-Clad motors are outstanding for their *dependability* and *long life*. Tri-Clad means . . .

Extra Protection against Physical Damage . . . One-piece, cast-iron frames, and cast-iron end shield guard vital parts, keep them safe. Drip-proof construction keeps out dirt and water.

Extra Protection against Electrical Breakdown . . . Windings are of Formex* wire, the toughest magnet wire ever made. It resists moisture, abrasion, and heat aging.

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G-E Tri-Clad motors have no brushes, so they're *quiet-starting* and *quiet-running*, don't interfere with radio reception.

Right now they're scarce, but we are working day and night to supply G-E Tri-Clad motors to all who need them—including farm machinery manufacturers and farmers. Look for the G-E monogram when you buy a motor or a motor-driven appliance or machine.

**Trade-mark Reg. U. S. Pat. Off.*

The Modern Farm is an Electric Farm!

Electricity on a farm makes life more pleasant and work easier!

If you don't have electricity, get in touch with the electric service supplier in your area.

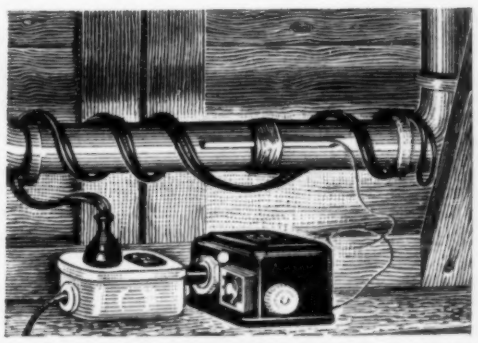
If you already have electricity, get your full value out of it by making it do more jobs for you.

To help build up modern farms electrically continues to be the full-time job of a staff of specialists in the G-E Farm Industry Division.

Flick a switch and your grinding's done when you use an automatic feed grinder powered by an electric motor!

Many a poultryman automatically gets whole corn for scratch feed, and crushed cobs and husks for litter, just by setting a self feeder on a corn crusher-sheller and letting the motor power the job while he attends to other chores.

And be sure to specify a G-E motor when you buy feed-grinding equipment.



Wintertime labor-saver is a length of economical G-E heating cable equipped with a thermostat.

Wrap cable around a water pipe, plug it into an outlet, and the thermostat automatically keeps the pipe at above-freezing temperature.

Thousands of farmers are using this cable on exposed water pipes, pumps, and in gutters. Limited quantities are available through G-E suppliers. See your dealer or write us for further information.

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RUBBER — LEATHER — FABRIC — WOOLEN

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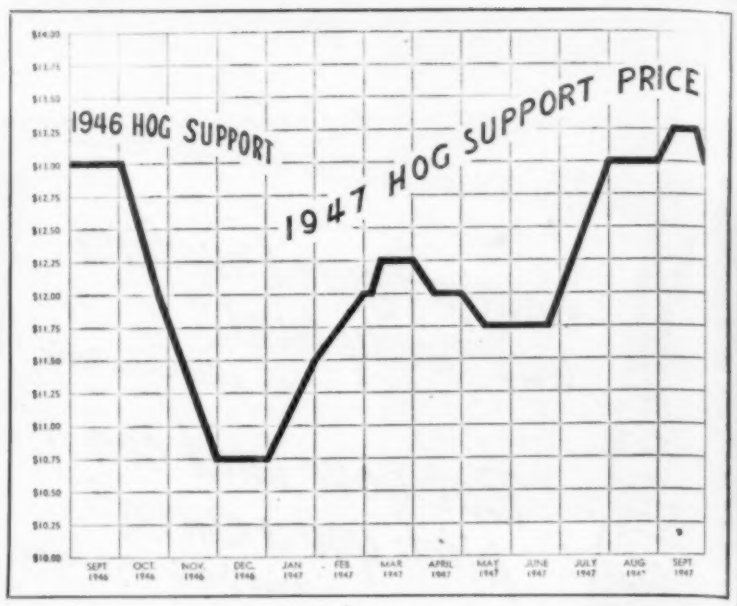

Hog Price Floors are set for nearly two years ahead. From now until October 1, 1946, the support price is $13. Then, for a full year, the price varies according to the black line in the illustration. Low point is $10.75, in December, '46. High point is $13.25, in September, '47.

Farmers Write About New Hog Floors

Effect on Market Gluts, Production and Prices a Few Years Ahead Are Discussed

Hog price floors, announced for almost two years ahead, are still a subject for debate as farmers breed sows for spring pigs. Are the new supports too low? Will the graduated floors cause gluts or prevent them? The following letter from a Washington county, Iowa, hog raiser, presents a widely held view:

To the Editor: The variable hog floor will be an improvement. Producers can afford to have their sows farrow at times that will spread marketing over the year. It will help avoid seasonal gluts.

While we farmers have always advocated setting prices well in advance, a floor set now may be too low a year from now. Price restrictions are rapidly being eliminated for industry. Labor will get substantial increases. The "hold the line" proposal is overboard.

Feed costs will be up. Feed returns were bad for 1944. My own were the lowest for $100 worth of feed fed for the past six years.

My point is: October 1, 1946, to October 1, 1947, we will have $12 hogs. Commodity prices will run much higher than now. We will need higher hogs, not lower.

We need the variable floor and ceiling. By the way, why not spread that ceiling? And we need hogs supported at $13 instead of $12.—Richard Stephens.

A Clay county, Iowa, hog producer is not so sure about the variable floor being in the interest of the hog producer. He believes it may enable packers to accumulate meat stocks at low prices.

To the Editor: In spite of the seasonal variation in the hog floor price, the number of hogs moving to market in any one month will not be greatly changed. If demand should decrease during 1946 and 1947, buyers would take advantage of the lower support price during the heavier marketing months.

Such a price program will no doubt mean less income to the producer, no saving to the consumer unless retail prices recede from their present ceilings, and an opportunity for processors to accumulate comparatively cheap stocks of pork and lard.—Wayne Simington.

Still another view of the effect of the variable floors is offered by a Dallas county, Iowa, hog raiser. He thinks hog men will shift the farrowing time and that gluts will result earlier.

To the Editor: It seems to me the support program may change the whole hog raising season, causing congested markets in late August and September, instead of November and December, as usual.

It might also discourage the small producer who does not have facilities for earlier farrowing, and cause a smaller supply of pork.

I believe that a fixed floor price the year around would do more to insure an adequate supply of pork than will the seasonal fluctuating floor prices.—Robert H. West.

The soft corn will prevent earlier farrowing to get the advantage of higher September floor prices, according to Clayton county, Iowa, hog men. The equipment at hand should govern time of farrowing, anyway, they say.

To the Editor: Due to the soft corn crop, we do not think there will be a large enough supply of feed to take care of an extra large pig crop. With supply and demand governing, we feel that the price will be above the floors during the early part of the marketing season.

Farmers should let their equipment govern the date of farrowing. It would be very foolish, indeed, for farmers with equipment for April and May to try to raise early pigs.—John and Steve Donlon.

Hog floor prices won't make much difference for next year, because farmers will reduce hog production and the price will be near the ceiling, according to a Washington county, Iowa, hog producer. But with a good corn crop next year, he fears for 1947 and 1948.

To the Editor: A $10.75 figure in Chicago (December, 1946) will not leave much profit, if any, to the producer, providing the floor has to be

Sows kept for spring pigs may be reduced this season because of lower support prices for next fall and a high moisture corn crop.

put into effect. Announcing the support price this far in advance probably will mean less hogs and the price will be near the ceiling.

If that should hold true in 1946, and we get a decent corn crop, the year 1947 will put a real test on the hog support prices.

I think it would be more satisfactory if the support price were at a higher level next year, and have a lower level for the next two years, having the 90 per cent of parity spread out over a period of three years. After next year, we will very likely have lower production costs.—George Hora.

While discussing hog price floors, one hog producer from Cass county and another from Hamilton county, Iowa, think hogs should be sold on the cut-out basis, including quality of meat and dressing percentage.

To the Editor: We like the new hog price support system. It gives the man with the early pigs better price supports due him for his extra expense and time. The pork producer who has been raising hogs of superior dressing percentage and cut-out value still does not come into the picture.—Ted Bell.

To the Editor: I think the support price should be left as it is, for machinery and practically everything else a farmer has to buy has gone up in price. I hope to see hogs sold on a grade or dressing percentage.—Charles L. Nail.

The above hog producers were included in a survey of 85 Iowa hog men, reported in our November 17 issue. In that survey, 61 per cent of the replies said the new hog price supports were about right; 39 per cent said they were too low.

Graduated floors were supported by a large majority. The poll indicated 10 per cent reduction in sows kept for spring pigs and some shift to earlier farrowing.

Weed Control Easier On Good Land

Weed control is easier on good, fertile soils than on poor soils, says L. B. Miller, of the Illinois College of Agriculture. He gives a few reasons:

The soil surface dries more quickly after a rain on rich soils. This makes it possible to cultivate the land sooner and thus get ahead of the weeds. However, rich land holds more water than less fertile soils. The loose condition speeds up surface drying.

Crop rotations, which are necessary to make fertile soils, check weeds. Some weeds develop in meadows; others in row crops. The constant change keeps them from getting established. And the faster growth of rotated crops on fertile land makes hard competition for the weeds.

Present tires wearing smooth? Have them recapped with this powerhouse Sure-Grip tread — available from your Goodyear dealer.

At the contour plowing match held near Grimes in October, veteran farmer Clarence Robuck was crowned Champion Plowman of Central Iowa. The test field was covered with a heavy stand of alfalfa 8 to 10 inches high, and scoring was based on uniformity of furrow, contour adherence, waterway and land end, furrow conformation, trash coverage, and opening and closing furrow. Says district champion Robuck:

"The Goodyear open center Sure-Grip tires on my tractor were a great help in winning the championship. They pulled better and truer, and slipped less than other type tires in the match.

"Last spring my neighbor and I were plowing in the same field and he had difficulty going through wet spots with his closed-bar tires. I'd finish 5 rounds to his 4. There's no doubt whatsoever that open center Sure-Grips give more traction, pull better and slip less. They're self-cleaning, too, and don't pack up with mud."

Runner-up Scores on SURE-GRIPS, Too!

Runner-up in the same contest was Laverne Rector. Working his Goodyear-equipped tractor, he got the same kind of super-traction from his *open center* Sure-Grips, finds they clean better, pull better and slip less than the other type tires on his other tractor.

These facts, straight from practical, hard-working farmers, confirm what impartial farm experts have proved—that Goodyear Sure-Grips with self-cleaning *open center* tread pull better, slip less, *do up to 22% more work with less time and fuel consumed.* Why not get this greater traction and economy yourself by changing to Goodyear Sure-Grips?

Sure-Grip—T.M. The Goodyear Tire & Rubber Company

GOODYEAR

Sure-Grip Tractor Tires

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Order NOW for Spring Delivery
OFFER EXPIRES JAN. 31, 1946

Here's your great opportunity to protect yourself against possible shortages—rising prices—and at the same time, your big chance to take advantage of a sensational 5% Discount from our regular low prices.

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★*Guaranteed* 100% Live Arrival
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★*Guaranteed* True to Breed as Ordered
★*Replacement*—Gamble's will replace ½ of any loss over 10% during the first 14 days after you receive your chicks providing proper care and equipment have been used and loss reported within 17 days of arrival of chicks

Why the New VITAMIZING Process will mean bigger profits to YOU!

Gamble's Bonded VITAMIZED Chicks are "Health-Conditioned" to resist infection—should grow 20% faster—mature two to four weeks earlier—develop more vigor and stamina. VITAMIZING helps build big rugged birds of excellent meat quality—helps YOU to higher profits through higher, safer egg production!

THESE PRICES LESS 5% DISCOUNT
On orders placed for spring delivery before Jan. 31, 1946.
Choice of Group 1, 2 or 3.
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	BREED	SEX	100	300
GROUP 1	Barred Rocks White Rocks Buff Rocks Buff Orpingtons S. C. Red White Wyandottes	Non-Sexed as hatched	11.90	35.40
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See your local Gamble Store for Special Low Prices on Larger Quantities.
Also available in AAA and AAAA grades.

SPECIAL OFFER!

$9.90 FOR 100 CHICKS

RAINBOW ASSORTMENT

Assorted, non-sexed, heavy birds—including Barred Rocks, White Rocks, Buff Rocks, Buff Orpingtons, S. C. Reds and White Wyandottes. Place your order NOW at your nearest GAMBLE STORE!

Gamble's Bonded Turkey Poults 92½¢ EACH In lots of 100 or more!

50 to 99...98c each • 25 to 49...$1.00 each • 12 to 24...$1.05 each

Genuine Broadbreasted Bronze Turkey Poults—the Ideal Meat Type Turkey! Broadbreasted Bronzes will serve up to ONE-THIRD again as many people as any other breed of equal weight. These fast-developing, prime-meat quality turkeys are Big Money-Makers, will mean extra dollars of profit to all poultry raisers. ALL GAMBLE BONDED TURKEY POULTS are hatched from eggs secured from U. S. Approved Hatcheries.

Get your share of the Big Money in Turkey-Raising!

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Place Your Order **NOW** for Spring Delivery!

Gamble's
THE FRIENDLY STORE

Gamble's Baby Chicks and Turkey Poults available only in territories east of the Rockies

Karl Hoffman in the pen with the 15 grand champion steers at the Chicago Fat Stock Show, December 1 to 6. The steers sold for $200 per hundredweight, for a total of $30,660.

Records Smashed at Fat Stock Show

Hoffmans Win Again; Grand Champion Steer Brings $1,000 Per 100 Pounds

KARL Hoffman, Ida county, Iowa, feeder, started breaking records on the first day of the Chicago Fat Stock and Carlot Competition, December 1 to 6. Old records continued to fall until the last day of the wartime successor to the International Livestock Show.

For the fifth year in succession, Karl brought the champion carload of cattle to the Chicago event. No other feeder has been able to hold the top spot for so long against such fierce competition.

George Hoffman and son, brother and nephew of Karl Hoffman, also of Ida county, Iowa, accomplished the same feat in the carlot hog competition.

On the second day of the show, hogs from the Hoffman yards were made grand champions for the fifth year in succession. They have won the carlot honors six years out of the last seven.

Joe Duea, of Wright county, Iowa, won the individual steer grand championship on his first showing at the annual Fat Stock Show. This feat was considered a record, as winners at the show usually come up the hard way by losing and learning for a few years. Duea showed only one steer.

Records fell again when the prize fat stock was sold on the last day of the show. All OPA ceilings were off on the prize cattle.

Duea's steer sold for $1,000 per hundred pounds. He weighed 1,110 pounds after the sale, and brought a total of $11,100, besides the prize money. The buyer was Henrici's Restaurant, in Chicago.

The previous high mark at the Chicago show was $825 per cwt., in 1929. Last year's champion steer, shown by Benjamin Greve, of Clinton county, Iowa, sold for $450 per cwt.

Hoffman's grand champion carload brought $200 per cwt. The 15 steers averaged 1,022 pounds, and brought a total of $30,660. The buyer was the Wrigley building restaurant, Chicago. Hoffman's grand champion steers at last year's show brought $59 per cwt.

This year's Chicago Fat Stock Show also established the claim of Logan township, Ida county, Iowa, as being the prize hog and cattle feeding center of the world.

In this six-mile-square area, Karl Hoffman finished the grand champion cattle; George Hoffman and son raised and fed the grand champion carload of hogs; Robert Johnson raised and fed the champion steer of the Junior Feeding Contest. This steer was also the reserve grand champion individual steer of the show.

Karl Hoffman's grand champion steers were Herefords from the TO Ranch at Raton, N. M. They were in the light-weight division — below 1,050 pounds. Altho fed and shown by Hoffman, the 15 steers were jointly owned by him and Robert Storz, of Omaha, Neb.

The hogs in the grand champion carload were Berkshires, in the medium-weight class—230 to 270 pounds. The 25 head averaged 248 pounds. They were farrowed in April, in a central hog house, because of bad weather. The pigs were later moved out to pasture.

The grand champion individual steer was a roan Shortnorn, Tomahawk — one year old last June. He was owned and raised by Carl A. Henkel, of Mason City, on Calara Farm, in Cerro Gordo county, Iowa. Duea fed Tomahawk on a Wright county farm and showed him in the Chicago ring.

Schmidt Brothers, veteran feeders of Clinton county, Iowa, made an outstanding record by winning first in all weight divisions in the Angus carlot entries. Louis Goecke, of Marshall county, Iowa, won first in the heavy-weight Shorthorn class.

In the Hereford carlot competition, W. H. Jargo & Son, Clinton county, Iowa, showed the champion medium weights, and Dilman Wilson, of the same county, showed the champion heavy-weights.

In the carlot lamb competition, R. I. Wilson & Son, of Sac county, Iowa, got first place in the 90 to 100-pound weight division on range lambs.

This was the fourth and probably the last war-time substitute for the great Chicago International Livestock Show.

By next year, it is expected that the army will have evacuated the buildings used for the show, making possible much bigger exhibits and better care of the crowds.

"We have high hopes for next year," said Barney H. Heide, manager of the International. Both he and William E. Ogilvie are looking forward to making the biggest stock show next year that has ever been held in Chicago.

New Farmers' Weeks Start

After gas rationing and war restrictions, Farmers' Weeks at the different state colleges are starting up again. But watch your tires, and don't plan on finding hotel rooms. Here is a report, by John Crosser, of the recent Farmers' Week at Columbia, Mo. Iowa has its Farmers' Week at Ames, February 11-16.

IT IS "Hi ya, Bill" and "Hello there, Mary" on the "Ag" campus at Columbia, Mo. Those old familiar greetings ring clear and happy as Farmers' Week dormant during the war, gets on its feet again.

Instead of the usual group meetings, visits to the barns and fields, and the rehashing of old stuff, we assemble in one hall. Let's take a seat and look and listen.

What's this? Nine out of ten Missouri farms are fast becoming worn out. Only one in ten maintains complete soil fertility. The gray-haired man telling us this is Dean-Emeritus Miller, former professor of soils at Missouri.

He talks about the Missouri soil improvement program. Let's get a copy of the bulletin on the "Missouri Soil Improvement Program," from A. A. Jeffries, College of Agriculture, Columbia, Mo.

Listen carefully, now, Mary! Miss Madonna Fitsgerald, home management specialist, is telling us how to get our money's worth in housing. Looks like Bill will have to figure on that new home or live in the dog house.

Other speakers follow—each alive with thoughts of more profitable, more efficient, more livable farming. President Green, of the Colorado Agricultural School, is answering the question: "How is the farmer coming out?"

What sort of a meeting is this, anyway? Here we are listening to an over-all survey of farming — something to take home and think about. We are being urged to think for ourselves.

Time out to visit a while! "Hi-ya, George" to George Kent, who farms 270 acres in Sullivan county—an old-timer at Farmers' Week. "How do you like this type of meeting?"

He replies: "Fine! Better'n the old kind. This meeting will make us think beyond our own farm."

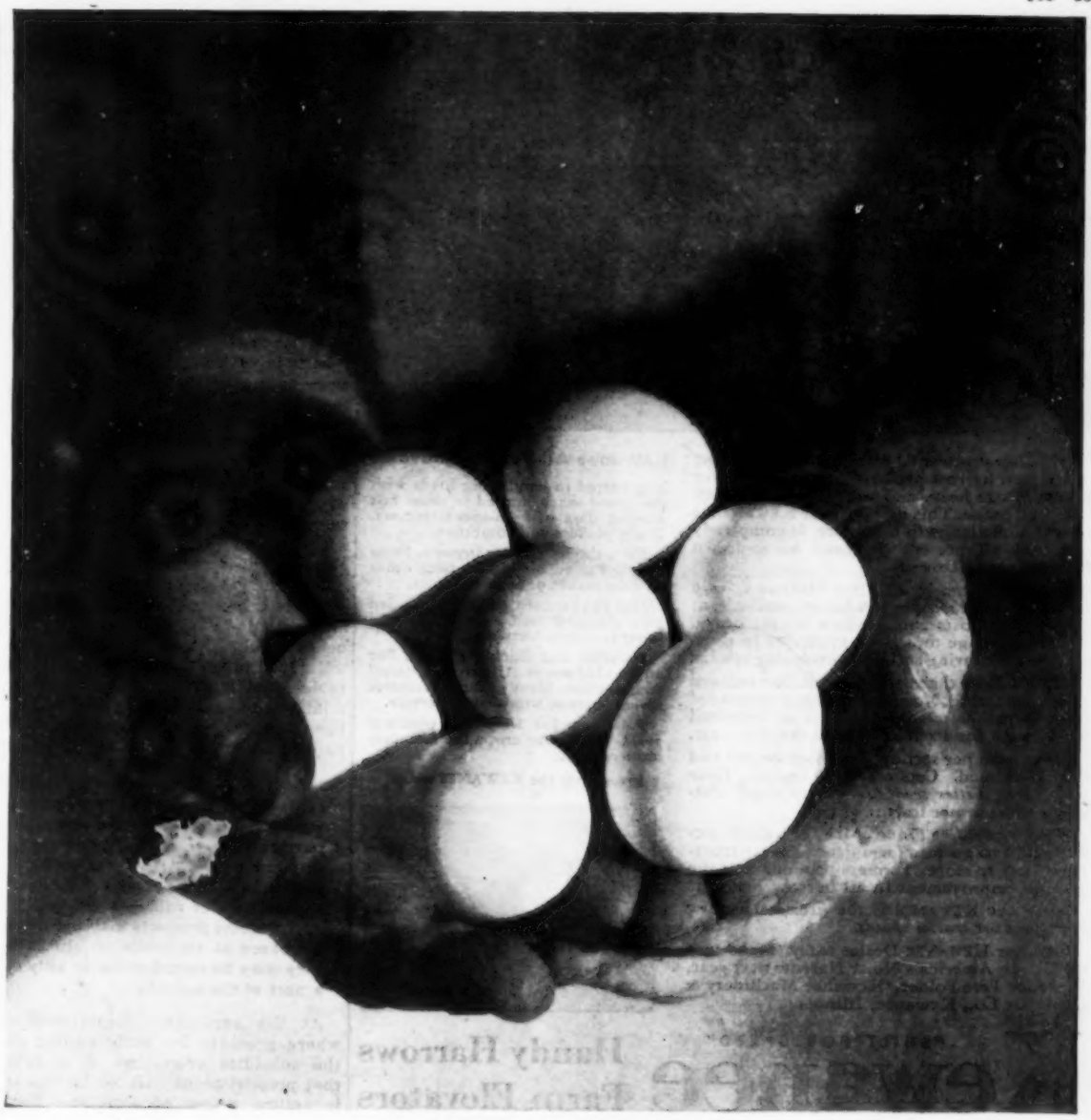
Another day, and again we listen to some music. Then Professor Carter from Illinois. He is showing models of well-planned farm buildings and how to place them. An old-style T-shaped house is becoming a livable home right before our eyes.

Listen to Jerry Thorne, farm owner and economist—a $3 term for a man with common sense. We are being treated like a group of business executives, and this fellow is making dry figures and facts sorta interesting.

Who are those fellows behind that gang of microphones? Is this "Information, Please"? Could be; for there is Ted Anderson, president of the American Pork Producers' Association; Mrs. Paul Palmer, Missouri Farm Bureau; Roy Hatcher, Missouri Farmers' Association; Arline Avery, cotton farmer; Guy McDaniels, farm manager for a bank, with Jim Burch, Missouri extension service man, as moderator.

Questions are being answered by these practical men. The audience is taking part. Plenty of food here for thought. It's really entertaining, and we'll repeat this round-table in our own county group. Too soon, this new type of Farmers' Week is over.

"G'bye, Bill; g'bye, Mary. Be seeing you next year, and I'm coming prepared to stump that round-table. Good meeting!"



THE WISE FARMER ISN'T CASHING IN HIS "NEST EGG"

Patriotic farmers ranked high in the purchase of War Bonds. And they are not cashing them in before the ink dries on the surrender documents, either! No sir! The thrifty farmer realizes that War Bonds, like crops, increase in value up to their maturity. He also knows that his money, too, will probably *buy more* in the next few years than it will at the present moment.

Yes wise farmers take good care of their investments, whether they are war bonds, crops, or land. And the thrifty farmer also knows that it pays to insist on quality fuels and lubricants for his truck and tractor.

Right there is the reason why more and more farmers are asking for "Phillips 66". . . the *best oil* and the *best value* that Phillips offers to farm car-owners! Yes! Nature did a mighty fine job when she made Phillips 66 Motor Oil—our special refining just adds the finishing touches! So if you are looking for a good tough motor oil, an oil that can take it, insist on "Phillips 66."

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For Cars, Trucks, Tractors

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Kewanee
HANDY FOLDING HARROW

THE *New* postwar KEWANEE will give you the greatest harrow performance you have ever known. Extra heavy and strong for *high speeds* and hard usage. This *new* postwar KEWANEE is indeed a challenge to the future. It completely obsoletes all present designed horse-drawn harrows for tractor use.

KEWANEE Handy Folding Harrows have made it possible to prepare better seedbeds, to cut farming costs and produce bigger crops. No other tillage tool is so profitable in time-saving, work-saving and crop-producing results.

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More teeth per section, diamond-shaped and dagger-pointed. Cuts every 1½ inches. *Finer pulverizing, better seedbeds—bigger crops!* Patented short center tractor hitch.

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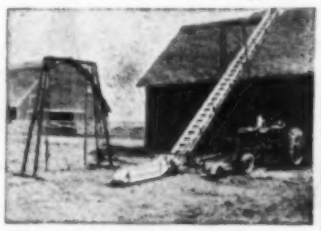
Plan now for 1946 and post-war years. Store your crops the fast, easy modern way.

Investigate the KEWANEE *today.*



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Kewanee
Handy Harrows
Farm Elevators

Help your sows develop healthy pigs before they are born

As a sow is fed, so will she farrow. This is doubly true when she must produce two litters every year.

Select your hog rations carefully, especially those fed during gestation. Be sure that the nutrients are well-balanced—that you feed adequate calcium and phosphorus and ample Vitamin D.

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Rich in VITAMIN D For Four-Footed ANIMALS

Protect Your Future with Victory Bonds
Your $75 Bond Will Pay $100 in 1955

As Subsidies Come Off

When subsidies are taken off beef and pork, will ceiling prices rise by the amount of the subsidy? Or by half the amount? Or will they rise at all? Our Washington correspondent discusses the possibilities.

WASHINGTON, D. C.—There is much confusion in Washington—both in official and unofficial circles—over what is likely to happen to farm prices in 1946.

Much of this confusion grows out of continued uncertainty as to what is going to happen to prices of unsubsidized food and farm products when government subsidies—now totaling nearly $1,800,000,000 a year—are removed next June, and by uncertainty also as to how much food this country will send abroad.

While it has announced a schedule for removal of subsidies on such products as pork, beef, lamb, cheese, milk, food fats and oils, canned vegetables, and bread and flour, the administration has not yet explained how this will be done and what will happen to ceiling prices.

At first, many assumed that ceilings on subsidized products would be increased to the full extent of the subsidies, to assure farmers against a forced price reduction. Now there are reports—unofficial, of course—that ceilings on some products may not be increased at all, while on others they may be raised to cover only a part of the subsidy.

At the agriculture department—where pressure for early ending of the subsidies originated, it is said that present plans call for increases in ceiling prices of pork and beef about half the amount of the subsidy. Yet it is emphasized that no official decision has been made yet.

Milk—upon which the government has been paying over $500,000,000 a year to hold down consumer prices—offers one of the biggest problems in this connection.

Involved in this subsidy program is an indirect subsidy averaging about 13 cents a pound on butter in addition to the direct subsidy, paid processors, of 5 cents, which was abandoned November 1, with a price increase equal to the subsidy.

The question is: "Would consumers pay anything like 13 cents more per pound for butter?" Officials think not.

One thing that is likely to have considerable influence on farm prices as a whole is congressional action upon an administration request for another $1,350,000,000 for the United Nations Relief and Rehabilitation Administration, for the purchase of food and other items for relief of the people living in the war-stricken areas.

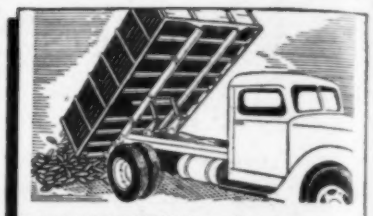
There is strong opposition to this request in congress. The failure of congress to vote the money would, of course, have some depressing effect on prices.

The government obviously is expecting some decline in the demand for food next year. This is evidenced by 1946 production goals suggested by Secretary Anderson.

These goals call for reductions in the production of livestock and livestock products (with exception of hogs) and of most food crops.

Increases were recommended only in the case of sugar crops, feed grains, tobacco, cotton, sweet potatoes and dried beans. Bigger feed grain crops were seen as necessary to re-establish reserves depleted during the war.

Anderson suggested 2 per cent less



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1946 GOALS

State meetings in farm states are arguing over 1946 goals this month. But Secretary Anderson has suggested:

Less milk—down 2 per cent.

Fewer hens—down 15 per cent.

Fewer turkeys—down 10 per cent.

Fewer beef cattle—down 3 per cent.

More hogs—up 1 per cent.

Increases in feed grain acreage are also recommended. If these proposed goals are met, 1946 production will be greatly in excess of the prewar average and only a little under the war-time peak.

milk, 13 per cent fewer laying hens, 15 per cent fewer eggs, 17 per cent fewer chickens raised in 1946, 10 per cent fewer turkeys, 3 per cent fewer beef cattle on farms at the end of the year, and 1 per cent more spring pigs than were produced during the past year.

During December, the suggested goals will be considered at state meetings of representatives of the agriculture department agencies making up the State United States Department of Agriculture Council, and representatives of the state agricultural colleges, farm organizations and other interested groups. Final goals will be announced around the first of the year.

The agriculture department has abandoned the suggestion that it buy hens at ceiling prices during the January-March period, as a means of averting the possible production of surplus eggs. The department floated a trial balloon on this idea by giving it out for publication.

The public reaction was not favorable. It struck many as being akin to the little pig killing program of the early AAA days, and hence was dropped.

The department now plans instead to encourage the diversion of surplus eggs into egg-drying plants during the heavy production season. Officials estimate that probably at least 20,000,000 will have to be diverted.

The annual agricultural outlook conference held by the agriculture department during the first week of December, with state extension officials in attendance, gave this general forecast for 1946:

Resources for farm production will be generally freer than at any time since the war started. The quantity and quality of the farm labor force is expected to improve. Supplies of fertilizers are expected to be ample for all needs.

There will be abundant supplies of most kinds of seeds, with the exception of alfalfa and the clovers. Supplies of feed will be generally adequate to support livestock numbers carried over from 1945 and to provide for a somewhat larger hog production in 1946.

With the exception of nicotine and rotenone, insecticides and fungicides will not constitute limiting factors in 1946 production.

Miscellaneous farm supplies, such as metal roofing, lumber substitutes, plumbing and heating equipment, nails, staples, bale ties, electric motors, hand tools, farm freezers and milk coolers will be generally available in larger quantities than they were in 1945.

Tires for tractors and farm implements should be adequate for farm requirements, and those for trucks and passenger cars generally available after the first quarter of 1946. Supplies of lumber available to farmers should be almost double amounts used in 1945.

This makes the MORTON WAY so sure . . .

Start the cure at the bone area where bone-taint, off-flavor, and souring are most likely to develop. The Morton Way helps stop them before they ever have a chance to start.

All you do is to pump the bone area with Morton's Tender-Quick, dissolved in water. This fast-acting curing pickle immediately starts the cure *inside* — gives you a feeling of security, a certainty of results you get only with this method.

This makes it SO GOOD . . .

Then, having started the cure at the bone, rub the outside with Morton's Sugar-Cure. This sugar curing salt strikes in, curing towards the center and gives your meat a rich, old-fashioned wood-smoke flavor.

The result of this double-acting cure — from the inside out and from the outside in — is the best-tasting, best-keeping meat you've ever had — mouth-watering goodness — sweet-as-a-nut flavor — no bone taint . . . no waste — but home-cured meat at its very best. Try the Morton Way yourself this year — henceforth you'll have no other.

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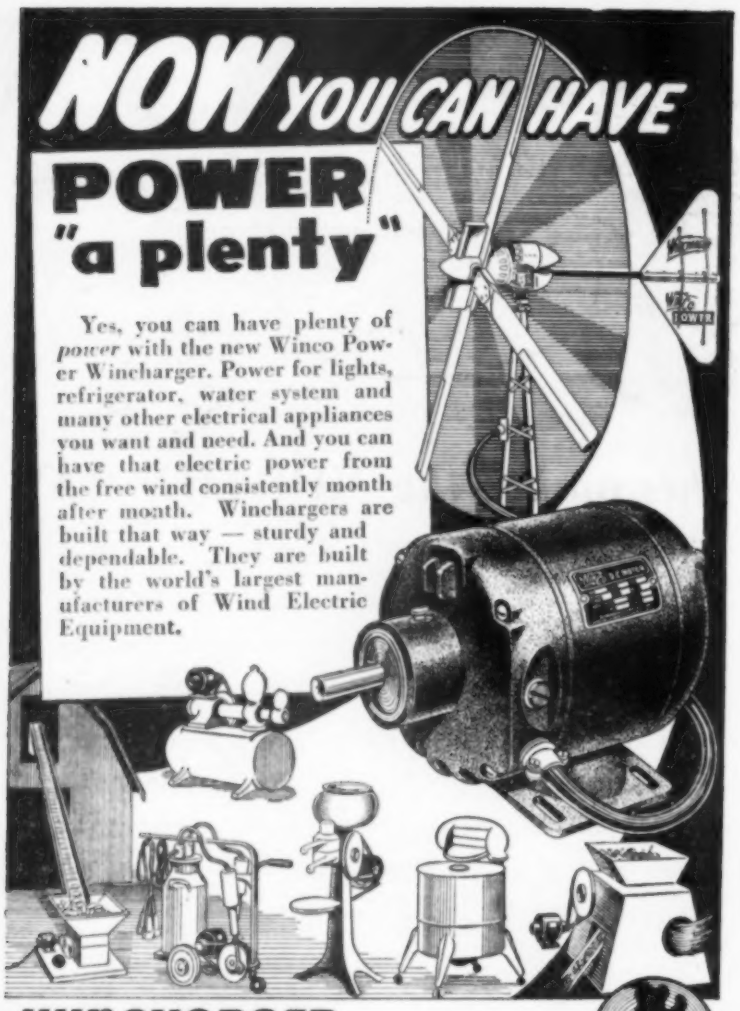
NOW YOU CAN HAVE POWER "a plenty"



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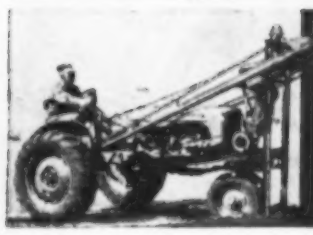

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WF-4

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WORKMASTER can be quickly converted (into or from) HAYMASTER-10 . . . depending upon which machine you own first.

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Workday Pointers

FLU-SICK HOGS should not be disturbed any more than necessary. Overexertion may bring on pneumonia.

▲ ▲ ▲

STORE FERTILIZER in a building with good roof and floor above the ground. You can't spread fertilizer in chunks.

▲ ▲ ▲

HOT OIL and a spray gun can be used to give stored machinery protection from rust. An application about every six weeks may be necessary.

▲ ▲ ▲

USE THE KNIFE sparingly in skinning an animal. Use the fist wherever the hide separates easily from the carcass. But trim off the meat and fat before salting the hide.

▲ ▲ ▲

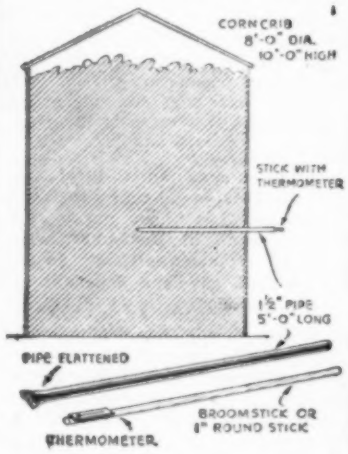
WARM UP the tractor motor before you throw a full load on it. Racing a cold motor is also bad practice. Lubrication is not thoro until the motor gets nearly to its normal operating temperature.

▲ ▲ ▲

DRAIN COCKS on tractor radiators sometimes get clogged and the water doesn't all run out. If you use water in the tractor for winter operation, the safe thing is to return to the tractor 15 minutes after the pet cock is opened, to be sure the water all ran out.

▲ ▲ ▲

TEMPERATURE of corn in the middle of the crib can be taken with a piece of pipe, a broomstick and a thermometer, says Joseph Hanson, of Lyon county, Iowa. Flatten or sharpen a piece of 1½-inch pipe. Drive the pipe into the middle of the crib. Then attach a thermometer to a broomstick and insert thru the pipe.



Give the thermometer plenty of time. A few holes drilled in the pipe will allow the thermometer to register more quickly. If properly made, this contrivance can also be used to take the temperature of shelled corn, small grain or hay in the mow.

▲ ▲ ▲

FRONT WHEEL LOAD on the tractor is increased about 300 pounds with a mounted two-row corn picker, and 1,000 pounds or more by a manure loader, says John H. Garner, of Scott county, Iowa. With either one, it's a good idea to give the front wheel bearings plenty of grease and care.

▲ ▲ ▲

BARN DRAFTS in cold weather contribute to colds and pneumonia, especially in young calves. D. W. Marsau, Black Hawk county, Iowa, protects the calf stalls with a heavy duck curtain which slides across like a stage curtain when it is necessary to have the barn door open. Some have found burlap hung over open doors a help.

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Compare the ingredients! Notice the low price! SAVE Ask your dealer.

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LOW PRICE

Makes wood-sawing fast; easy. Cuts enough wood to pay for itself quickly. Easily moved while attached. Big blade; *free* details.

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ARTHRITIS NEURITIS SCIATICA

Why continue to suffer the agonizing pains of these diseases when the usual remedies have failed. Learn about a new trustworthy, modern, non-surgical treatment method. This marvelous treatment is completely explained in the Ball Clinic's FREE Book. Write today. No obligation.

BALL CLINIC, Dept. 3600, Excelsior Springs, Mo.

FOX SCARFS, FINE FURS

Rich, stylish and useful; low in price when you ship your raw pelts to Cownie. Red fox, silver fox, mink, raccoon, beaver, every kind of hide and fur skin beautifully tanned and styled to your order. 39 years experience—100% satisfaction guaranteed. Ship your skins any time, and get our style sheets, prices, complete information.

COWNIE TANNING COMPANY, 501 Market Street, Des Moines, Iowa

CRANES'S ALL SEASON 70 GAL. NON-FREEZING HOG WATERER

3900 HUBBELL AVE., ROUTE 2 DES MOINES, IOWA

HIGHEST CEILING PRICES PAID

White or grey goose $1.37. White or colored duck $1.10. Quills 15c. Send samples of used feathers for prices. SOUTHTOWN FEATHER CO., 6754 So. Halsted St., CHICAGO 21, ILL.

90% of all scours in young calves are due to a lack of certain vitamins — principally Vitamins A and Nicotinic Acid.

Dr. LEGEAR'S CALF VITAMINS contain these necessary vitamins and are an effective prevention and treatment for this costly disease—so play safe — start every calf with Dr. LEGEAR'S CALF VITAMINS.

Easy to give — economical. See your nearby Dr. LeGear dealer today for a supply.

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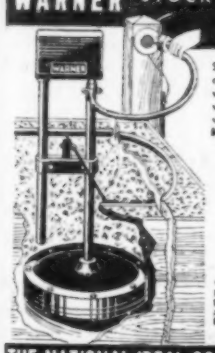
Electric! Economical!



Save Feed & Labor! Water is cheap. Milk is about 88% water; beef 60%. In the winter, keep 'em drinking warmed water and YOU KEEP 'EM PAYING.

WARNER *Engineering*
CHROMALOX *Dependable Heat*
MINNEAPOLIS-HONEYWELL *Control*

"add up" to this reliable heater. Ask Dealer for Demonstration. Send postal for free folder to 910 E. Summit St.

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Scarlet, Lavender, Yellow, Rose and White—*75c Value!* Giant 5-in. blooms, Dahlia-flowered. Sturdy 3-ft. plants, easy to grow. All five 15c-Pkts., 1 of each color, postpaid for 10c! *Send dime today.* Write for Burpee's Seed Catalog FREE.

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☐ Send 5 Pkts. Giant Zinnia Seeds (Nos. 7988). Enclosed is 10c.

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A DANGER SIGNAL

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$20.40 BU. Grimm Alfalfa $23.40; Red Clover $21.60; Alsike $21.60; Sweet Clover Scarified $8.40; Unhulled $4.20. New Timothy $2.20; Alsike and Timothy $7.95; New Strain Brome $3.50; Kentucky Bluegrass $2.25; Early Giant $4.90 high quality. All per bushel, triple recleaned. Hybrid corn $4.25. Guaranteed satisfactory. Free samples, catalog. Frank Sinn, Bx. 404, Clarinda, Ia.

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All raise grade on tough wheat with LIBERTY GRAIN BLOWER. Write today for plans and particulars. Immediate shipment.
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8 exposure rolls 25c; over 8 exposures 40c, for one Velox print each and Free enlargement coupon. Reprints 3c, minimum 25c. Fred I. Eastman, Bode, Ia.

First Aid for Stock

Most Hog Mange Can Be Eradicated

To the Editor: Is there more than one kind of hog mange? My hogs have mange patches on the underside of the body that don't respond to treatment. — D. D., Tama County, Iowa.

There are two kinds of mange. Common, or sarcoptic, mange is caused by mites which burrow tunnels thru the skin. There they feed and reproduce. That is why it takes a thoro soaking with spray or dip to get them. The average period of their life cycle is about two weeks—from egg to full-grown mite ready to lay eggs again. These mites are barely large enough to be seen with the naked eye.

Mange mites of the other kind (demodectic) are still smaller, and worm-like. They burrow into the hair follicles, or bulbs. There, these mites produce small, hard nodules, or pimples. These may be found about the face of the pig, along the underside of the body, and between the hind legs.

Says Cow Won't Get With Calf

To the Editor: I have a cow that won't get with calf. If you have any advice on what to do, please send it to me. — J. M., Cherokee County, Iowa.

Sterility is due to many different things. Some of them you can overcome yourself; others only a trained veterinarian can remedy.

You can start treatment by giving the cow a long rest from service and good feed and care. The cow should have a diet of green feed, especially legume hay and pasture.

This extra care may build up the cow's system so she will conceive.

The next step is to have the cow examined by a trained veterinarian. He should be able to determine why she is sterile and pass an opinion on whether she can be restored to fertility by any known treatment at a cost commensurate with her value.

Unvaccinated Pigs Get Cholera?

To the Editor. I have put a sow with pigs about a week old in a pen where we recently had hogs vaccinated with serum and virus. Are the pigs likely to get cholera?—H. V., Lee County, Iowa.

Yes, there is a possibility of danger. But if the sow is immune, the pigs have considerable immunity as long as they are sucking.

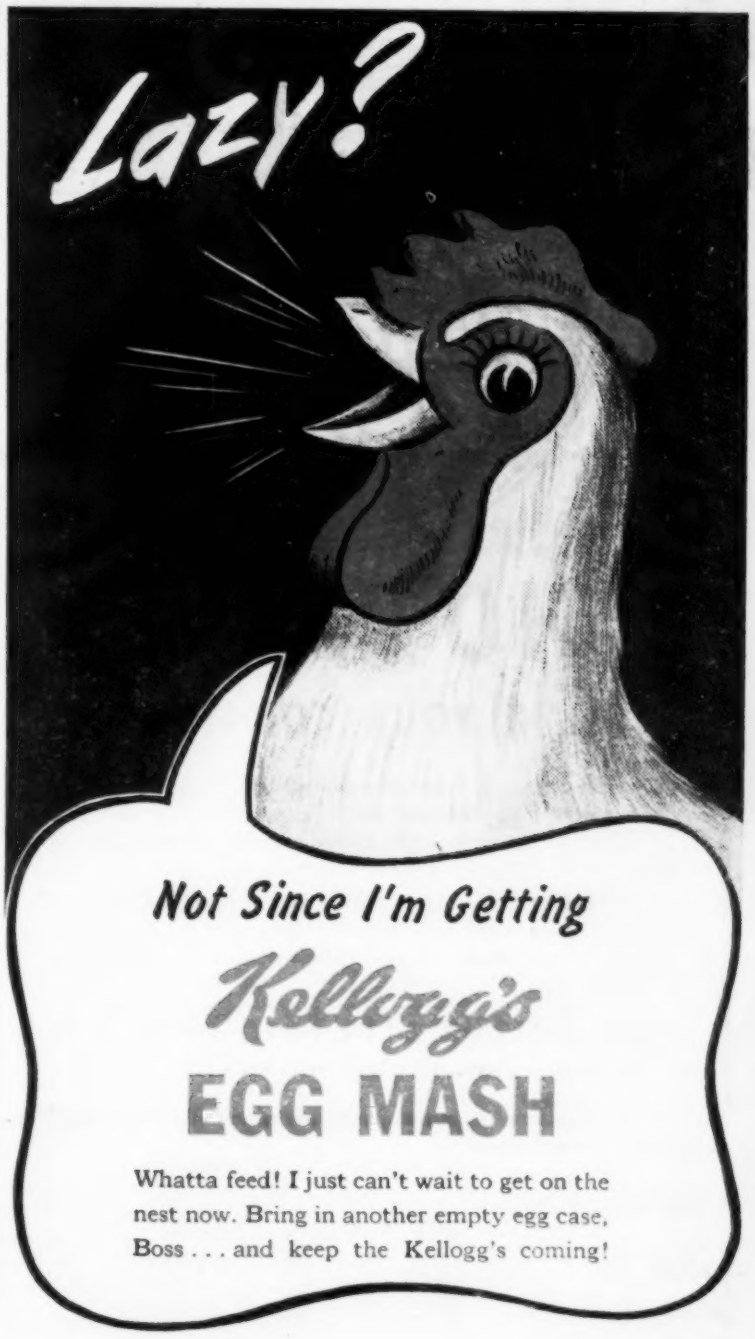
Watch the pigs closely. If they show signs of sickness, better have anti-cholera serum administered at once. Otherwise, wait until they are six to eight weeks old, then vaccinate them with serum and virus.

Bad Quarter Can Be Dried Up

To the Editor: Is there any way one can dry up a bad quarter in a cow while still keeping the other three quarters?—V. H., Woodbury County, Iowa.

Sometimes it is desirable to permanently dry up a diseased quarter in a cow. For this, the veterinarian may inject a solution of silver nitrate, which will destroy the secreting tissue.

Some quarters become totally dry after two weeks; but it may take as long as two months, and a second or third injection is often necessary.



LAZY layers often "get that way" simply because of improper feeding. If their ration is deficient in any vital egg-building material, they break down or quit laying before they should.

Help keep your hens on the job by balancing your grain with Kellogg's Egg Mash. It's rich in vitamins, minerals and proteins your birds must have for laying stamina and top production. It's dependable. Economical. And, like all Kellogg products, it measures up to the highest standards of quality.

Change now to Kellogg's Egg Mash—a feed that will help bring out the *best* in your birds. Your local Kellogg Feed dealer will be glad to supply.

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★ LOTS OF EGGS
★ LAYING STAMINA
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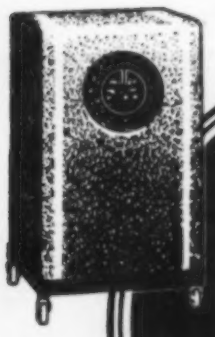

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WHO DISPLAYS THIS SIGN IN YOUR COMMUNITY?

● It will pay you to locate the dealer who displays this sign! You will find him friendly and courteous. He can give you complete information on how you may save a great deal of time and money with a Miller Farm Welder.

The Miller Special Farm Welder was designed for *your* farm. It will handle all farm welding jobs. Look for the Miller sign, and talk to your Miller dealer. You'll be glad you did.

THE MILLER ELECTRIC MFG. CO.
RICHMOND, INDIANA

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36' x 60' (Or Longer In 6 Ft. Units)

It is still first come—first served on steel buildings! If *you're* interested in an all-steel, sectional building that's fire-proof, wind-proof, weather-proof . . . no posts . . . no repair or maintenance cost—then MAIL THE COUPON TODAY! It's the ideal building as a storage shed . . . implement shed . . . machine shop. . . . The IDEAL utility building for farm and town! No obligation!

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COUPON—Clip and paste to postcard with your name and address. YES! I'd like to find out about getting a PRIORITY on a Cowin Building! Please tell me how I can be among the FIRST to get one.

MANUFACTURERS OF CORNSAVER CRIBS AND STEELDROMES

Send to **COWIN & CO., INC.**
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THE HUMBOLDT LOADER

A labor-saving and money-saving mechanical lift loader that can be used for loading manure, dirt, sand, gravel, cobs, etc. With buck attachment it can be used for handling loose hay, baled hay and bundles.

Quickly, very easily and strongly attached to your tractor, it is the "work horse" of the farm.

SEE YOUR DEALER OR WRITE FOR PRICES AND FOLDER

THE SILBAUGH MFG. CO.
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SEEDS Alfalfa, Brome, Sweet Clover and Grasses. Cost not over $20.00.
Superior Seed & Supply Co., Norfolk, Nebraska

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Beautiful enlargement from each picture on roll 25c.
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World's greatest self feeder—Feeds Ear Corn, grain, ground feed or silage—any 2 feeds at a time.
SUCCESSFUL HOG FEEDER
Bigger Capacity. Pat. features. No clogging. Self-agitating sides, etc. 8 sizes, low as $8.75. See your dealer or write for free circular.
Des Moines Incubator Co., 1304 Market St. Des Moines, Ia.

Service Bureau

The Sign of Protection — $50 REWARD — WALLACES' FARMER SERVICE BUREAU

Neighbor's Bull Gets Loose

We have good Hereford cattle and keep our bull in the barn. Our neighbor has some runty Holsteins and lets his bull run in his pasture. The bull got over into our pasture with our heifers. We have trouble every year. Isn't there a law compelling him to keep his bull in the barn? He claims not.

There is no law which would compel your neighbor to keep his bull in the barn. However, the Iowa law makes it the duty of the owner of livestock to prevent it from running at large, and your neighbor is legally responsible for any damage done on your property by the bull unless the bull has got onto your place thru your failure to maintain your share of the partition fence between your neighbor's farm and yours.

In other words, he can keep the bull any place he wants to on his own property, but he's responsible for the damage if it gets off his property thru no fault of yours.

Wet Corn Makes Big Bushels

How many pounds of corn will it take to make a bushel when moisture test is 45.53 per cent?

Since it takes 70 pounds of ear corn to make a bushel of No. 2 corn with moisture content at not over 15½ per cent, that would indicate that the 84½ per cent of dry matter in the 70-pound bushel would weigh 59.15 pounds.

Corn with a moisture test of 45.53 per cent would, theoretically at least, contain 54.47 per cent dry matter.

This would indicate that it would take approximately 109 pounds of corn with a moisture content of 45.53 per cent to get 59.15 pounds of dry matter to equal the dry matter content of a 70-pound bushel with 15½ per cent moisture.

Bear in mind that, altho this might be considered a logical way of figuring corn weights, it wouldn't comply with legal standards. Legally, 70 pounds of field corn on the cob is a bushel, and corn containing more than 15½ per cent moisture is subject to price reductions.

Thus, the person selling corn with excessive moisture content is required to deliver a greater number of 70-pound bushels to get a certain number of dollars as compared with what he would have to deliver if the corn was drier.

Use Care in Handling Of Minors

I caught some boys playing about some unused buildings on a distant part of my farm. They had found a rifle I had hidden in a grain bin, and were playing with it.

I had previously warned the parents of these boys to keep them off my premises, so I shut one of the older boys up in a grain bin and called his parents to come and get him. The father showed up some time later, very mad because I had kept the boy shut up. Have I made myself liable for damages? Should I have called the sheriff?

You have probably laid yourself liable for damages for false imprisonment by holding this boy. However, those damages could not be very great, as there was no injury to the boy. You should have called the sheriff.

What to do for **RETAINED AFTERBIRTH**

If a cow fails to "clean" after freshening, simply follow this

Dr. DAVID ROBERTS PRESCRIPTION:

1. Feed hot boiled oats or bran mashes and give warm water to drink.
2. Give DR. DAVID ROBERTS FRESHENING PRESCRIPTION in feed 2 or 3 times daily.
3. Wash genital organs with solution of DR. DAVID ROBERTS GENITO-WASH, using flushing outfit.
4. Insert DR. DAVID ROBERTS UTERINE CAPSULE and repeat if necessary.
5. To help prevent this condition in the first place, give DR. DAVID ROBERTS FRESHENING PRESCRIPTION for a few days before freshening.

Get DR. DAVID ROBERTS STOCK MEDICINES FROM YOUR LOCAL DEALER

There is a Dr. David Roberts Prescription for every curable animal ailment. Compounded by:

DR. DAVID ROBERTS VETERINARY CO., INC.
5 GRAND AVE. Waukesha, Wis.

NOW AVAILABLE — **Trojan ALL YEAR HOG-WATERER**

NO HEATING UNITS ● NO LAMPS-NO FLOATS
NON-FREEZING

Provides constant supply of clean, fresh water. Saves time and labor—prevents water waste — safeguards health. Quickly attached to barrel or tank. Factory price $3.25. See your dealer or order direct, adding 75c for postage—will refund if less. Money back if not satisfied.

AUTOMATIC IN ACTION!

Standard Manufacturing Company
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HORN-DRAULIC TRACTOR SEAT SNUBBER

$7.50 PLUS TAX
AT YOUR IMPLEMENT STORE

Makes Your Tractor's ride like an easy chair

FITS ALL STANDARD MAKES

HORN MANUFACTURING CO
FORT DODGE, IOWA

OTTAWA TRACTOR SAW

350 Cuts Per Minute

FREE BOOK and Price List

Make money sawing wood. Use Ottawa—fastest cutting. Cuts large, small logs easiest way. Fells trees. One man operates. Thousands in use. Built to last with heavy, stiff saw blade. Positive safety clutch control; uses power take-off any tractor.
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Civilian needs require unlimited amount of feathers. Top selling prices. New goose $1.37½ lb. New duck $1.10 lb. Highest prices for goose and duck quills (wing and tail.) Send samples of used feathers for quotation. **We pay all your shipping charges.** Refunds for postage and express guaranteed.

SHIP TODAY—CASH TOMORROW

MIDWEST FEATHER CO.
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New, Automatic
POST HOLE DIGGER

—with built-in power lift. Does all the work, no back breaking hand lifting. Predetermined depth control. If your dealer cannot supply you, write direct to factory.

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ROCK PHOSPHATE

Florida 32% P_2O_5 in bags. 33% in bulk. Super Phosphate, mixed fertilizer. Potash when available. Granular Aero Cyanamid 20.6% nitrogen for plowing under, ship immediately. Dealers and distributors wanted.

SCHROCK FERTILIZER SERVICE
CONGERVILLE, ILLINOIS

7 Plus Features for Faster, Easier LOADING

COATS' MECHANICAL MANURE LOADER

Investigate these EXTRA advantages for faster, easier manure loading with the famous Coats' loader:

- Telescoping Frame.
- Less leverage on tractor.
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- Belt pulley drive.
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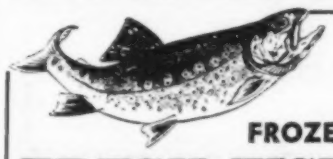
Compare the features. Compare the price. Get the BEST when you buy.

WRITE *today for free illustrated circular.*

COATS' LOADERS AND STACKERS
Fort Dodge, Iowa



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Buy Them Direct from Our Fisheries at Fishermen's Prices

HOLIDAY ASSORTMENT BOX
25 lbs. Wall-Eyed Pike; 25 lbs. Rockfish
25 lbs. Alaska Salmon; 25 lbs. Halibut
100 lbs. $23.75 in Box
50 lbs. in box.....$12.50

SMOKED FISH—READY TO EAT
10 lbs. in cartons
WHITEFISH...$3.50 MULLETS...$2.50
Order a shipment of these guaranteed fish today. Write for complete price list and folder. 50 kinds Lake and Ocean Fish.

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Wholesale Fishermen Since 1897
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For MORE Soybean Profit

PLANT LINCOLN SOYBEANS

In 61 tests in 5 states including Iowa, Missouri and Nebraska, LINCOLN SOYBEANS averaged 6.1 more bushels per acre; in 26 more Iowa tests, LINCOLN SOYBEANS yielded 4 bu. per acre more than the average of 5 other varieties. LINCOLN SOYBEANS ARE SUPERIOR IN:

- Percentage of OIL
- Drying Quality of Oil
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- Resistance to Lodging

New, EARLYANA SOYBEANS . . . another great yielder strain. Tests show superiority in poor soil. Get Your 1946 Order in Now

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TRAPPERS & RANCHERS

WE PAY FAST

THIS SEASON WE WANT
25,000 MINKS
50,000 RATS

Ship Your Mink Skins and Rats to us. We are Chicago's Largest Exclusive Retail Mink Coat Manufacturers (est. 1908) and sell direct to actual consumers, so can pay much more for your skins. Try us with large or small shipment and be convinced. Checks mailed immediately and your Mink Skins or Rats held separate until you receive and approve of our check.

MILLER FUR CO., 166-S—N. Michigan Ave., Chicago, Ill.

GROW ALBOTREA SWEET CLOVER
as a substitute for Alfalfa and Red Clover. Albotrea is a new shorter-growing yellow sweet clover. 16c lb. Write for samples and prices on Bromus, mixed Timothy and Alsike, and other seeds.

GRIMM ALFALFA ASSOCIATION, Fargo, N. D.
500 Cooperating Growers.

Corn Grading Rules Told

Do you wonder how they found out that your corn was No. 3 or No. 4? Here are the grading rules from the Handbook of Official Grain Standards of the United States.

No. 1 corn must not have more than 14 per cent moisture. Maximum limit of cracked corn and foreign material is 2 per cent; total damaged kernels, 3 per cent, and heat damage must not be over one-tenth of 1 per cent. Test weight must be 54 pounds.

No. 2 corn must not contain more than 15.5 per cent of moisture. The limit of cracked corn and foreign material is 3 per cent; total damage, 5 per cent, and heat damage not over two-tenths of 1 per cent. Test weight must be at least 53 pounds.

No. 3 corn must not have over 17.5 per cent moisture. Cracked corn and foreign material must not exceed 4 per cent; total damage, 7 per cent, and heat damage one-half of 1 per cent. Test weight must be 51 pounds.

No. 4 corn must not have over 20 per cent moisture. Cracked corn and foreign material must not exceed 5 per cent; total damage, not over 10 per cent, and heat damage 1 per cent. Test weight must be 48 pounds.

No. 5 corn must not have over 23 per cent moisture. Cracked corn and foreign material must not exceed 7 per cent; total damage, not over 15 per cent, and heat damage not over 3 per cent. Test weight must be at least 44 pounds.

"Sample grade" is corn that fails to meet the requirements above, or corn that contains stones or cinders, or corn that is musty, sour, heating or hot.

Why No Certified Control Oats

Control oats is quite a popular variety in Iowa, but we never hear of any certified seed for sale. Why is this?

Because, according to the story told by Prof. H. D. Hughes, of Iowa State College, Control is a sort of unofficial variety.

After the college authorities had released Boone and Tama, a few years ago, they had a few sister selections that had turned out just about as well. Tho similar to Tama, they were thought not quite equal to that new variety.

But that particular year good oat seed was in demand, and it seemed a shame not to make use of all the superior selections available. The Iowa Board of Control was asking for seed, so the product of two or three of these plots was turned over to them. The oats were grown on the farms at several of the state institutions.

Neighbors liked the performance of these oats, so the seed was gradually traded out over the surrounding territory. This new variety had no name. It had originally come from the Board of Control, so farmers began calling it the new "Control" oats. And the name has stuck.

Weight Limit Set On 4-H Calves

Weight rather than age now determines eligibility of calves for Iowa 4-H baby beef projects. For next year, calves weighing not over 650 pounds on January 1, 1946, will be eligible. The requirement that calves must have been born between March 1 and September 30 has been abandoned.

Members of 4-H Clubs will also be limited to three baby beeves for show purposes, and the commercial calf projects have been eliminated. These new regulations have been announced by G. A. Lineweaver, in charge of boys' state 4-H work in Iowa.

* FLOWS FREELY at zero or below

* STANDS UP at boiling or above

You can rely upon Champlin HI-V-I . . . the new fighting aviation oil . . . to give your tractor the swift, sure lubrication it needs in winter.

At the first turn of the motor . . . even at zero or below . . . it flows freely . . . assuring instant lubrication. This protects close-fitting, moving parts against friction, wear, and damage.

After the motor gets hot, even extreme temperatures . . . boiling or above . . . fail to break it down or thin it out.

● You see Champlin HI-V-I was developed with this special TWIN-ACTION to meet the all weather demands of our air forces. An amazing new solvent, N-HEXANE, is used to thoroughly de-wax it, producing a remarkable new cold pour test rating. Then, it is built with a high viscosity index for extra stamina to withstand excessive motor temperatures, pressures, and speeds.

You can buy Champlin HI-V-I in bulk or refinery sealed cans from friendly Champlin service stations and dealers.

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DISTRIBUTORS-DEALERS. *If you are an established distributor or dealer, write for full details about Champlin HI-V-I and the complete line of Champlin quality petroleum products. Many splendid territories are still open.*

CHAMPLIN HI-V-I Motor Oil
"ON THE GROUND.. OR IN THE SKY"

FOR GOOD RESULTS

FEED... MoorMan's MINERAL FEEDS and CONCENTRATES

MOORMAN MFG. CO. QUINCY, ILLINOIS

Homemaking Department

"Hath Not Custom--"

"HATH not custom made this life more sweet?" Indeed, it has. No better proof can be found than the requests that come from returning service men this year.

If the members of your family have given their gifts on Christmas Eve instead of Christmas morning, that's the way they want it to be this year. If you always served the pickled peaches in grandmother's old cut glass bowl, then they want them served in that old bowl this year.

Little family customs that somehow have grown up thru the years became suddenly sweeter and infinitely more precious when remembered in a green jungle hideout or in a frozen European foxhole. To repeat these seemingly little acts adds security to the homecoming.

"That makes it official," said a happy marine who couldn't quite believe he was really home at last. His mother had taken from the top cupboard shelf the old wooden bowl that had held the Christmas nuts ever since Great-Grandpa's pioneer days of home-gathered hazelnuts.

So many changes in place of living, ways of living and in family circles have taken place in the frantic years of war that many of the old customs have been discontinued or can not be carried on this year—and they will be missed.

But it's a good year to re-establish many old customs and to establish some new ones. To many new homes—consisting of a young mother, a new baby, and a father who had never seen his child until a few short weeks or days ago—the joy of establishing new customs can begin right now.

Take Christmas tree ornaments. If there's an old star or tinsel angel belonging to either's childhood, give it a place of prominence on baby's first tree.

Or if you can find a good new tree-top ornament, use it and wrap it carefully in cotton for each future Christmas, until it becomes a part of your child's store of memories.

Decide upon some metal tray or silver dish that shall from now on henceforth hold the oranges, grapes and nuts each year upon the sideboard.

Plan some sort of decoration that can be a traditional part of every year's celebration, no matter where home may be.

A simple candelabra on the window sill where tie-back curtains preclude all danger of fire, a wreath to encircle a small silvered tree upon the low living-room table, or a paper-covered bell in a doorway, are good beginnings.

Let a sprig of mistletoe be tied upon the clapper of the bell, or the table wreath be home-grown greens woven in a firm roll of crumpled chicken-wire netting, that can be used year after year.

Perhaps the candelabra can be a small, rough piece of a cedar branch from 12 to 15 inches long, with five or seven holes bored partly thru to hold the candles, which are graduated in height.

Interest will be added if the cedar came from Uncle Bill's grove, or from the summer picnic place along the creek. The "log" can be sawed flat on one side, to stand firmly upon the window sill. There is an old belief that candles in the window tell passers-by that "happy hearts dwell here."

For an outdoor wreath, a permanent foundation is a help. If you do not care to buy one, a good foundation can be made of three-inch strips of wire netting wound loosely around the edge of a peach basket cover or a barrel hoop.

It will keep its shape and support a heavy cover of greens. Use native greens or purchase fragrant greens from a florist. Tie clusters of nuts, red apples or oranges here and there among the greens.

Puncture English walnuts or pecans with a big darning needle. Wire apples and oranges not too tightly. Hang the wreath on the front door to indicate that peace and plenty abide within.

Cookies can't be too plentiful, so settle upon one or two good recipes that can make the basis of Christmas cookies for year after year. Perhaps you know how to make the little anise flavored klujens, or perhaps you would like to start with a honey recipe.

Won't it be fun when the children grow up to hear them tell their children: "Mother started making these after the war, when sugar was scarce—and now they're as much a part of Christmas as the tree is!"

If your family decides upon one of those easy-on-the-hostess dinners—where each one furnishes part of the menu, perhaps you can encourage Aunt Sue to bring pumpkin pies, for which she is famous.

Or ask Aunt Mamie to bring the casseroles of escalloped corn. (It's that faint touch of onion she puts in the casserole that rings the bell.)

Maybe you "draw names" for family circle gifts, thereby making it possible to make a more elaborate gift than as if one spread the Christmas budget to include each member of the circle.

You know Dad's weakness for dark-red neckties. He looked handsome in them, with his black hair, and even more striking now that his hair is a distinguished snow-white.

Encourage the one who draws his name to pick out a swank red tie. It must be a good tie, and will be the starting point for a lot of good family banter.

Hunt up the old song books with carols in them, and, after everybody has had time to stretch a bit, sing them—every one, with the smallest child piping shrilly from Grandpa's lap. Off key? What of it?

Encourage the old jokes. What if they are a bit corny and the smart younger generation groans when they're cracked? Soon they'll become one of those little matters that make a family circle close and precious.

There was one family which had always depended upon deep-voiced Uncle Jim to ask the blessing at the Christmas table. The blessing was always pretty well drawn out, but it was full of praises for the good things which God's bounty had provided.

Everybody wriggled a bit before Uncle Jim got thru, but it wouldn't have been Christmas without it, and everybody loved it.

But eventually there came the first Christmas after Uncle Jim had passed away. One of the younger daughters in the family—a new bride—was having the dinner for the first time. None of the family thought of the blessing until all of us were ready to take our places at the sumptuous table. There was a pause, and a sudden sense of loss.

Carol flung her young head high, and, in the pride of her new home and her new place in the family circle, she said: "Let's sing 'Praise God From Whom All Blessings Flow'."

The members of the assembled family circle came very close to saintly old Uncle Jim and his praises as they sang. That was years ago; but the family still begins Christmas dinner with the old hymn.

Most customs grow like that. But many can be planned and established out of circumstances that arise. The simpler they are, and the more they include both toddlers and the grayheads, the better they are.

As years go by, and the wealth of memories sweep over us at holiday season, we know more surely that it is the old custom that hath made this life more sweet.

Christmas of 1945

THE world has never known such a Christmas as this one of 1945. That is because the world has never known such wars and suffering, disaster and pain. Now we say: "Peace on earth—good will to men." Our voices break. Peace? Is it really true? Good will? Do all men love one another?

No, perhaps not. We are still full of faults. There is much yet to be done. There is disagreement, hatred, suffering, shooting and selfishness. But the biggest wars of history are over. There is Peace.

Warriors from the seven seas and many lands are home—back to the U. S. A. Thousands more in far lands are safe. This year they are warm, clean, well-fed. They can plan. Soon they, too, will be home.

Around Christmas dinner tables will be tall sailors from the Pacific; muscular, firm-jawed boys from Europe; bronzed young giants from the Orient, and trigger-quick men out of the air from all over the world.

They will hold their families spell-bound with tales of courage, strategy, fighting machines, supply, fatigue and action.

They will rock with inimitable yarns of GI humor that burst forth wherever there is American youth.

"Pass the cranberries." "Take more turkey." "Mom, this is the best dressing I ever ate." "Whipped cream on the pumpkin pie!" "Gee! Aunt Molly, it's great to see you."

The greatest gift of all will not be under the tree. It is the highest-priced gift of all—the most precious. We are in debt for that gift, tho it has been paid for once—in blood.

It is the gift of young American lives. It is the thousands of boys who are not at home, the thousands who will not come home. An expensive gift that there might be Peace.

Peace on earth? Yes, if we pay the price of this gift to the future. Good will to men? Yes, if there is good will in the hearts of men.

Home for the Holidays....

IT'S MAXWELL HOUSE COFFEE TIME!

Good cheer in the air . . . good coffee in the cups—Maxwell House, America's No. 1 Preferred Brand! You can count on a warm welcome in every friendly cup of this richer, finer coffee.

Because 1 **FINE QUALITY COFFEES,** from Latin-American highlands, are skillfully selected for that unmatched Maxwell House blend . . . Medellin coffees for *richness,* Manizales for *mellowness,* Bucaramangas for *full body,* and still other choice Latin-American coffees for *vigor.*

Because 2 **EXPERT BLENDING**—by master craftsmen, who know the special art of combining choice coffees for that one distinctive blend—Maxwell House—the coffee world-famous for its rich, mellow, thoroughly satisfying flavor.

Because 3 **RADIANT ROASTING** develops the original flavor goodness of Maxwell House to its full-bodied strength. Vacuum-packing preserves it, roaster-fresh, at the peak of its perfection, bringing you top coffee drinking enjoyment—delicious Maxwell House! *A Product of General Foods*

GOOD TO THE LAST DROP!

That's why MORE people buy

MAXWELL HOUSE COFFEE

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IT'S MAXWELL HOUSE COFFEE TIME ON THE AIR, TOO . . . WITH GEORGE BURNS AND GRACIE ALLEN . . . NBC, THURSDAY NIGHT

Back from war!—

Fast-Acting FLEISCHMANN'S Gets to Work in Minutes!

• Fast Rising Fleischmann's Dry Yeast is here! IF YOU BAKE AT HOME—you'll cheer this quick-acting baking discovery that stays full-strength, potent for weeks on your pantry shelf . . . lets you turn out delicious bread quickly—at a moment's notice.

No more being "caught short" on baking day without yeast in the house . . . no spoiled dough because yeast weakened before you could use it.

With Fleischmann's Fast Rising, you can start baking any time—finish baking in "jig time." Just dissolve according to directions on the package—in a few minutes it's ready for action. Get Fast Rising Fleischmann's Dry Yeast today. At your grocer's.

Meet The Winners

MINGLING with the 1,200 attending the National 4-H Club Congress, at Chicago, were 11 4-H girls from Iowa.

The girls ranged in ages from 17 to 20, and their years in club work from five to nine. But, to give you a better picture, meet the girls themselves.

There's Avis Mae Danielson, from Hamilton county. She's 17 and has been in club work six years. Avis won her trip to the Congress thru her clothing achievements and an all-around good record.

In clothing, she made 32 new garments, remade and repaired 165 more. And this year she used her past-studied home-furnishing principles in redecorating her room. She also helped can 300 quarts of food last summer.

Marcia Gaston won her trip on her food preservation record. She's 18, has been in club work six years, and hails from Clay county. In her food preservation work, Marcia canned 150 jars alone and helped can 302 more.

In other food work this year, she planned 629 meals and prepared 797. Last year, she was named outstanding 4-H girl in Clay county and also outstanding high school student at Peterson.

Catherine Illian, 20, is the Iowa 4-H girls' president, and this year attended the Congress on her general good record. She's a Muscatine county 4-H-er, and has been for nine years.

As state president, Catherine's activities are many and varied. Perhaps outstanding are the public appearances she has made. She's given close to 50 talks in her own community, 22 on a county basis, two at district meetings, too many state talks to count, and 12 radio broadcasts.

She's also been one of the chief promoters in the state 4-H girls' bond drive and the drive for scholarship finances for Chinese students. But this doesn't keep her from her regular club work. This year, in "Food for Victory," she canned 220 quarts of food and prepared 250 pounds for freezer locker storage.

Alice Mary Inman is a Kossuth county girl. She's 17, been in 4-H five years, during which time she hasn't missed a meeting. Her Chicago trip came thru her outstanding work in home-furnishings.

Such items as slip-covering the home davenport and chair, making three wall cabinets for the kitchen and painting five kitchen chairs were only a part of Alice Mary's home-furnishing project.

From Emmet county, Arlene Mae Klein, also 17, was awarded the Chicago trip on the basis of her long-time 4-H achievement record. That record is based on six years in county club work—all filled with educational activity. Arlene has made it a point to carry over the things she learns one year into the projects for the next year.

This year, she concentrated on oven products, and baked more than 40 pies, cakes, rolls, quick-breads and cookies. During last year and this, she also made 46 new garments and made over seven.

Pauline Lawler, 18, is another winner on her general good record. She's been a Boone county 4-H-er for seven years. Pauline's one of those girls who doesn't limit her activities to the house. Besides a good canning record, she's helped care for the family chickens, helped in tractor field work and detasseling corn.

And she's been an exceptionally good bond salesman. One Fund Day, she sold over $2,000 in War Bonds.

As a part of her home-furnishings project this year, Pauline refinished a walnut bedroom suite for the family guest room.

Betty Roswag, of Cerro Gordo county, attended the Club Congress thru the merits of her food preparation achievements. She planned and prepared 535 meals this past club year, plus 58 bakings of yeast breads and preparing 62 dairy foods.

Betty's 18, and has been in club work five years. In addition to her 4-H activities, she's been a Sunday school teacher, a leader at the Girls' Reserve Camp and at the Y. W. C. A., and a Bible school teacher.

During her seven years of club work, Hilda Taylor, of Keokuk county, has baked 692 articles, prepared 2,583 meals, canned 1,516 quarts of food, made 36 garments, repaired and mended 61 garments, made 17 articles for home convenience and redecorated 10 rooms.

That is one of the best all-around records in the state, and Hilda's trip to Chicago this year was in recognition of her 4-H achievements.

In addition, she has held every office in the county club organization, and has been more than active in war service activities. Too, she's had to carry an extra load of farm work since her brother entered the services. But she says she has gained from all of it.

Martha Weeks, from Story county, represented Iowa at the National Dress Revue. She modeled a black-and-white check suit.

Fremont county's Ardyth Teachout saw the sights of Chicago and took part in the activities of the National Club Congress because of her home efficiency achievement record. This 18-year-old miss has been in 4-H Club work for six years, and this year didn't miss a meeting.

For increased home efficiency, Ardyth made 15 articles, including a picnic box, shoe rack, kitchen truck, cleaning basket and bulletin board.

Winner of the 1945 grooming revue and a trip to the Congress was Darlene Walter, one of Hardin county's outstanding 4-H girls. This year's county president, Darlene's 1945 record includes 13 new garments made and 74 repaired or made over.

She is a firm believer that, despite increased activities in the home and on the farm during the war, every girl can maintain good grooming. Her record is proof of that.

Martha Weeks, 18, represented Iowa at the National Dress Revue. She's a six-year member from Story county. Martha was chosen from a group of 24 girls from counties studying clothing this year. She modeled a black-and-white hound's tooth check suit, which, with accessories, cost her $31.

Sewing for the Family

No. 9120—Designed for style and comfort and easy sewing. Make several blouses for variety. Sizes 34 to 48.

No. 9174—Carefully designed not to ride up or twist, this slip is a treat to wear. Sizes 14 to 20, 32 to 42.

No. 9399—Wide-bib, long-length, non-slip straps, give you complete protection. Sizes small, medium, large, extra large.

No. 4952—Twin shoulder yokes that you can make in contrast, the soft gathers, the pert bow, make this an ideal frock. Sizes 12 to 20.

No. 4844—Here is a sweet little outfit for a little tot, and you'll find it easy to sew. Sizes 1 to 5.

No. 9311—A "round the clock" frock that takes no time at all to make. Choice of three sleeve lengths. Sizes 34 to 50.

Patterns may be secured for 16 cents each, in coin or stamps (coin preferred). Send your orders to the Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. There are still delays in mailing, so allow plenty of time for your order to reach you.

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Look For 2 Exciting Things

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Not Just Another Brand But A BETTER KIND OF COFFEE

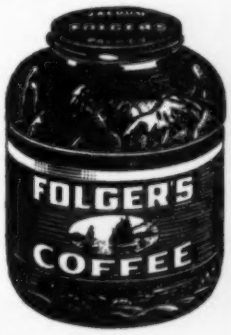
AFTER years of coffee drinking, when your husband one day tastes a *better kind of coffee*—well, it's a pleasure to see!

Folger's has that *flavor advantage* because it's choicest *mountain grown* coffees—the very finest that grow. Then it's blended and processed with the famous Folger knack, perfected through 95 years of handling finest coffee.

So try this *coffee with the flavor advantage;* and, when you do, look for two exciting things—(1) more enjoyment in coffee and (2) the surprising economy of quality.

2 SEE If You Don't Save Money

Flavor So Rich You Are Urged to TRY USING 1/4 LESS Coffee Per Cup



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MAPLE CREAM PIE

Prepare. . 1 baked 9" pastry shell made with OCCIDENT Family Flour.
Scald. . . . 2 cups milk
Blend. . . . ⅔ cup maple syrup (or maple-flavored syrup) with
4 tablespoons OCCIDENT Family Flour
4 tablespoons corn starch
¼ teaspoon salt
Add slowly to the milk. Cook until mixture thickens, stirring continuously.
Beat. . . . . 3 egg yolks
Slowly add hot mixture to yolks. Cook 1 minute.
Add. . . . . 1 tablespoon butter.
Cool. Pour into baked pastry shell. Top with meringue.

MERINGUE

Heat to boiling point. . . . . ½ cup syrup
Add. . . . . ⅛ teaspoon salt
Beat. . . . . 3 egg whites
Add hot syrup to beaten egg whites gradually.
Beat well. Spread on pie. Brown in slow oven (325°) 20 minutes.

FREE! Photo-Method for Pies. Write OCCIDENT. Department WF95, Minneapolis 1, Minn.

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COOKERY CORNER

Doughnut Holiday

2 cups of peanut brittle
½ cup of dates
½ cup of marshmallows
2 cups of whipping cream
½ cup of nutmeats
1 dozen doughnuts
Small bottle each of green and red cherries

Run peanut brittle thru the food grinder. Cut dates and marshmallows into small pieces. Fold finely ground brittle into stiffly whipped cream, to give caramel flavor. Fold in dates, marshmallows and nutmeats. Pile high over each doughnut. Top dishes alternately with red and green cherries.—Mrs. Della A. Wood, Poweshiek County, Iowa.

Red and Green Salad

1 package of lime gelatin
2 cups of diced pears, peaches and pineapples (any proportion of each fruit)
2 cups of hot water, or juice from fruits
½ cup of sliced red or candied cherries

Dissolve gelatin in liquid. When starting to set, add the fruits. Pour into molds. Serve as salad with tart dressing, or as dessert with whipped cream and candied fruit.—Mrs. Grace Comer, Union County, Iowa.

Scalloped Chicken

¼ cup of fat
½ cup of flour
1 teaspoon of salt
4 cups of chicken broth or milk
3 cups of diced cooked chicken
2 cups of coarse bread crumbs
1 cup of cooked macaroni
2 hard-cooked eggs, sliced
Buttered crumbs

Melt fat, blend in flour and salt, add broth and cook until thickened, stirring constantly. Add chicken, bread crumbs and macaroni. Place alternate layers of egg and chicken and macaroni mixture in a greased baking dish. Top with buttered bread crumbs and bake in a moderate oven (350 degrees, F.) for about an hour. —Mrs. W. L., Iowa County, Iowa.

Orange-Honey Icebox Cookies

½ cup of shortening
2 eggs
Grated rind of one orange (yellow only)
3 tablespoons of strained orange juice
1 cup of strained honey
2 cups of sifted white flour
½ cup of whole wheat flour
½ teaspoon of salt
2 teaspoons of combination baking powder
1 teaspoon of cinnamon

Cream shortening in mixing bowl. Press to one side of bowl. Break eggs into other side, beat till blended, then stir in. Sprinkle grated orange rind over, and stir in. Blend orange juice into honey. Sift white flour, salt, baking powder and cinnamon together twice, then sift, a little at a time, into creamed mixture, adding liquid mixture alternately, a little at a time, and stirring vigorously as added. Sprinkle whole wheat flour over—stirring till well blended. Shape into two cylindrical rolls, wrap each in waxed paper and allow to chill overnight or longer. Slice thin with a sharp knife. Bake on lightly greased baking sheet in 375-degree oven for about eight minutes. Remove from sheet with spatula. Allow to stand 24 hours or longer before serving. Makes about 40 cookies.

This is an original sugar-saving recipe. The combination orange-honey-cinnamon flavor gives these cookies a most tempting and delicious taste.—Mrs. E. R. Douglass, Madison County, Indiana.

Brown Baked Beans

4 cups of white beans
2 teaspoons of salt
¼ cup of brown sugar
¼ cup of bacon fat or three slices of diced bacon
2 tablespoons of sorghum or molasses
½ teaspoon of pepper
1 teaspoon of dry mustard

Wash beans and boil in water with one-half teaspoon of soda until the skins are ready to break. Drain. Put all the seasoning in the bottom of the bean pot, add the beans, and pour on two cups of water. Set in a slow oven and bake four hours. Remove from oven and set in a cool place overnight. Do not leave lid on tight. Next morning, stir the beans lightly from the bottom of the bean pot. Taste for seasoning—and add additional to suit. Add necessary water from time to time, and bake four more hours before serving.—Mrs. V. F. Vanderbur, Monona County, Iowa.

Butterscotch Pudding Cake

½ cup of lard
1 cup of dark corn syrup
2 eggs, separated
1 cup of sour milk
1 teaspoon of vanilla
½ teaspoon of combination baking powder
2 cups of flour
Pinch of salt
1 package of butterscotch pudding powder
1 teaspoon of soda in ¾ cup of boiling water

Cream lard and syrup until fluffy, add egg yolks and beat well. Add vanilla and soda dissolved in boiling water. Sift flour before measuring, then sift with pudding powder and baking powder four times. Add alternately with sour milk. Add beaten egg whites last. Bake in a 350-degree oven until done. Makes a large cake. You may use either chocolate or vanilla pudding powder. When I use chocolate, I add one tablespoon of cocoa and leave out one tablespoon of flour.—Mrs. John Keppers, Wright County, Iowa.

Popcorn Balls

1 cup of syrup
½ cup of sugar
1 teaspoon of cream of tartar
2 tablespoons of butter
1 tablespoon of vinegar
¼ teaspoon of soda
4 quarts of popped corn

Boil syrup, sugar and cream of tartar to the soft-ball stage. Add butter, vinegar and soda, pour over popcorn. Cool till it can be handled, then form balls.—G. C., Union County, Iowa.

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So Easy! No Cooking. Quick Relief.

Even if you're not interested in saving good money, you surely want a really effective relief for coughs due to colds. So try mixing it yourself, in your kitchen, and be ready for a surprise.

It's so easy to mix, a child could do it. Make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments until dissolved. No cooking is needed. Or use corn syrup or liquid honey, instead of sugar syrup.

Put 2½ ounces of Pinex (obtained from any druggist) into a pint bottle. Then fill up with your syrup. This makes a pint—about four times as much for your money. It tastes good—children really like it. It lasts a family a long time, and never spoils.

But what you'll like most is the way it takes right hold of a cough. It loosens the phlegm, soothes irritation, and helps clear the air passages. Eases soreness, and lets you sleep. You'll say you've never seen its superior.

Pinex is a special compound of proven ingredients, in concentrated form, well known for quick action on throat and bronchial irritations. Try it, and if not really delighted, your money will be refunded.

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COUNTRY AIR

By ELIZABETH C. WHERRY

DEAR SANTA CLAUS: It's been a long time since I've written a letter to you. I used to write to you when I wanted anything, but then I grew older and wiser, and depended on my pocketbook and my own ingenuity.

* * *

But this letter isn't about things exactly for myself. I don't need much of anything. Sometimes, the more things and stuff and Christmas presents there are around, the more complicated housekeeping becomes.

* * *

However, I do have sense enough to know there's not much use to ask for some new gadget to dry the corn that's been cribbed, pick what's under the snow and fix it up so we won't have to feed out more livestock than the market will absorb just to use up the corn before it molds.

* * *

First, I'd like to have you deliver to every poor little rich community in Iowa a nice county hospital. I'd like all those new streamlined sterilizers, cabinets and shiny things, but if you could use the red tape for tying the packages, you might get the surplus army and navy stuff. Of course, I want these things under way within at least 12 months, so I don't know——

* * *

Next, I think you ought to put in a little time picking up some ex-medical corpsmen and loose-footed army nurses who've saved up their overseas pay and want to embark upon the well-known American way of individual enterprise.

* * *

Give them the deeds to a bunch of big, old eight to ten-room houses in small towns and cities all over the state, and let them fix them up for all invalids, young or old, not sick enough to need hospital care, but too sick to be adequately cared for in the average home when help is not available. Could you call them clubs or something like that, instead of nursing homes?

* * *

Then we ought to do something about some good hang-outs. I mean like a lot of towns have in drug stores or cafes. Few drug stores ever make much money off the high school hang-out crowd. They may garner a lot of young friends and good will, but this requires a lot of room that should be used for greeting cards and wall paper and hog minerals. Drugs, too, of course.

* * *

Just give 'em a place with food, chairs, adult service and such things, and don't expect them to practice Emily Post all over the place. You have to learn about people before you know how to translate Emily.

* * *

Well, that's what they're doing. The places don't have to be fancy—but the kids want them decent, and they need room. Their arms and legs are awfully long.

* * *

I'll just wish all faithful Country Air readers the best of the season thru this open letter. I wish you had time to tell us how you'll manage shoes and cheese and blankets and dolls and tea and chocolate for all of Europe and China.

* * *

We haven't been much help, I'm afraid. Sounds sort of silly to rattle tissue paper over nylons when cotton socks would be so welcome to them. Anyway, thanks a lot and a Merry Christmas.

"Celebrate" Monarch's 50th ANNIVERSARY with a beautiful new range

It will be a "happy birthday" . . . . the day you install a beautiful, 1946 Model Monarch Range in your kitchen. For, with Monarch, you'll have cooking efficiency and modern beauty at their best. See your Monarch dealer now and arrange for delivery. Or, mail coupon below for literature.

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Dent's Tooth Gum—or Drops—in cavity of aching tooth. Follows directions. Cavity toothache frequently strikes when you can't see dentist. Be prepared. Ask your druggist for package. 25c

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GIVE YOUR Layers that PROTEIN PUNCH

PUSH your hens for HEAVY egg production, by giving them more proteins, minerals, vitamins—to help them manufacture more eggs. Do it the easy, low-cost way with—

Sargent Grain Balancer

Now, EXTRA proteins—a coordinated blend of 5 tested protein ingredients — gives Sargent's EXTRA egg-making value with your grain rations. It's stepped-up, too, with added vitamins, minerals, and digestive enzymes to help your hens manufacture more eggs, and maintain high egg production all winter long. No grinding or mixing to do. Just put Sargent Grain Balancer in one feeder, your whole grains in another, and they balance their own rations. Saves work. Saves money, and really gets the eggs.

IN YOUR FAVORITE DRESS PRINT BAGS

Your dealer now has Sargent Grain Balancer in all the popular, new dress print and tint bags.

Get a trial bag this week; see how easy it is to feed, how it can help you to step up egg output at minimum feeding cost.

FEED SARGENT FEED

SARGENT PLANTS, Des Moines
Bloomington, Ill. Fremont, Nebr.
Waverly, Mo. Algona, Iowa

Hens Work in a laying room built in the corner of the poultry house on the Ray Baird farm, in Hamilton county, Iowa. Mrs. Baird invades it three times a day to gather eggs.

Old vs. Young Layers

In Egg-Laying Contest on Iowa Farms

HYBRID hens, the result of inbreeding and crosses, resembling the way in which hybrid corn is produced, lay eggs in a poultry house with three floors, on the Ray Baird farm in Hamilton county, Iowa.

"I like them because they are good for both eggs and meat," said Mrs. Baird, leading the way to the first floor of the hen house occupied by the pullets. The birds are mostly white and of medium size. Adult hens weigh about five pounds.

About 335 pullets, hatched in February, were laying around 200 eggs per day in September. That is about 60 per cent production at seven months of age.

"The old hens have the second floor," said Mrs. Baird, leading the way up the stairs. "They look mean," she admitted, pointing to the evidences of molt, "but we have found them less broody than non-hybrid stock." The old hens showed the strain of a hard season's work.

"Keeping these old hens is an experiment," said Mrs. Baird. Ordinarily, it is considered that second-year hens will lay 30 per cent less eggs than pullets. After explaining that claims are made that some strains of hybrid hens will lay even more the second year, she said: "We are going to find out."

Hens on the Baird farm live in a modern poultry house with double walls insulated with shavings. There are two floors for hens and one for feed and bedding.

Both floors have automatic waterers, made from 50-gallon barrels. The barrels are made air-tight and a pipe leads to a trough. Air pressure keeps the water level constant at the level of the hole in the pipe. There are no floats or valves.

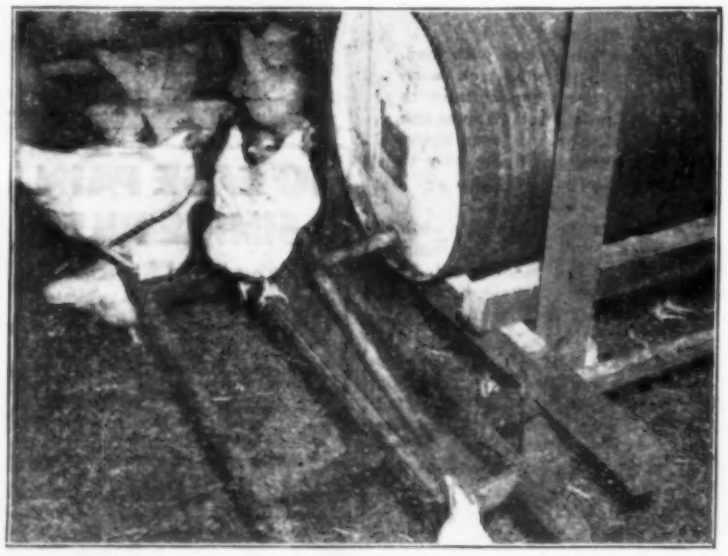
Private laying rooms are a feature of the hen house arrangement. Each floor has a room about 6x12 feet in size, with rows of nests facing each other.

Few eggs are found on the floor, says Mrs. Baird. This is because the hens have a dark, quiet place for laying. It also makes gathering eggs more convenient.

Chopped straw is used for bedding. The straw is chopped and blown up to the top floor. Chutes carry the litter to each floor in the poultry house. Feed also comes down chutes to each floor.

Birds are fed whole corn and oats, with mash. The mash is well balanced with protein and mineral elements.

Labor saving is the rule in the laying house in every respect except one—eggs are gathered three times a day, and no one makes any complaint about it.



Homemade Waterer in the Ray Baird poultry house, Hamilton county, Iowa, has no floats or valves. The barrel is air-tight. A pipe runs to the trough from the barrel. When water gets below hole in pipe, air rushes in and lets out enough water to keep level constant.

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Indianola	Stewart's Hatchery
Lake Mills	Grotewold's Farm Store
Marengo	Marengo Hatchery
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Cannibals In Hen House

I THOUGHT that we knew quite a bit about cannibalism in chickens, but this past week I found that everything we had heard and seen did not mean anything.

We had two hens which had been pecked sufficiently to draw blood, and we treated them with tar, which had always been all that was necessary before.

The next day, I kept seeing what I thought was one of these hens; but I discovered pecked hens turning up all around, so I called some help in and we carried out and isolated 60 birds in a room apart from the rest.

The hatchery said they would bring out an electrical debeaker next morning. Meanwhile, we distracted them in any way possible.

We were told it might help to hang a couple of rabbits in the house. (I didn't tell them that we had been trying to get even one rabbit to eat, but had not succeeded this winter.)

I sliced a head of cabbage and a few carrots over the litter, and we happened to have a sack of bran in the feed room, so we spread it over the mash hoppers. The hens' natural curiosity asserted itself, and they began to eat.

We put oats where they generally find grit and shell, and watched them until dark, and turned off the lights, so they would be in the dark as long as possible.

The men were here with the debeaker by bright daylight. One holds the hen's bill firmly, while a blade slices off the front of the upper beak. With a quick motion, he then sears the cut against the hot blade.

It's a miserable thing to watch, but the chickens seem to care very little about it. They got on their feet and started to eat as tho nothing had happened. They bled a little thruout the day, and the water was quite red, but it did not seem to bother them.

We find we have to put the alfalfa on the floor instead of in racks, for they can not peck out in front of them. We lost eight in all, but they were the ones that had lost the most blood before the treatment.

The men told us that 20 in a flock once died before they could get to them. When isolated, those that are hurt carry on the pecking amongst themselves.

Production has slipped disappointingly, but we do not think it will take long to get them back again. Several things entered into the slump.

They were culled and blood-tested for the second time November 1, and, after all of this upset, one could not very well expect them to hold up. It may be all the better for them to rest a bit, for they were hatched in February, and have had a wonderful production record so far.

There were also some sore spots around the wattles of the cockerels, which turned black and looked different from anything we had met before. I believe they're going to clear up now, since the hens can't pick at them any more. You surely need eyes in the back of your head when you go thru your chicken house.—M. B., Jasper County, Iowa.

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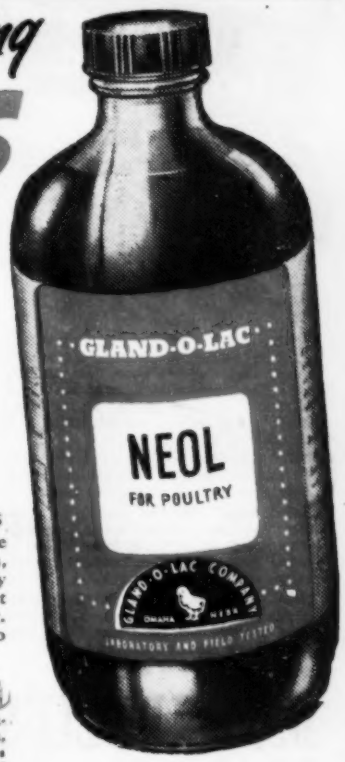

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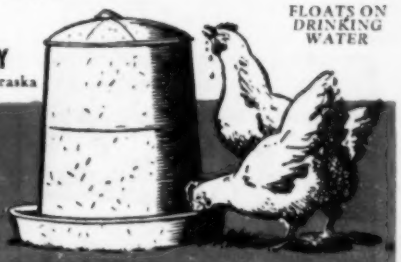

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MANY DOCTORS use pepsin preparations in prescriptions to make the medicine more palatable and agreeable to take. So be sure your laxative is contained in Syrup Pepsin.

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The patented inner construction of the nebulizer, produces micro-fine droplets, making a completely inhalable vapor which permits the medication to reach the bronchial area.

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His Black Steer Wins

Robert Johnson Tops Junior Feeders

WHEN Robert Johnson, of Ida county, Iowa, won the championship of the Junior Steer Feeding Contest at the Chicago Market Fat Stock Show, December 1 to 6, he had to defeat some old-time winners.

One experienced junior feeder in the competition was T. Richard Lacy, of Edgar county, Illinois. Showing Herefords, Lacy won the Junior Feeding Contest in 1942 and 1943, and each time went on to defeat all open entries and win the grand championship for an individual steer.

This year, Lacy won the Hereford championship with a medium lightweight steer. The Hereford reserve champion was shown by Donnelly Peterson, of Burt county, Nebraska.

In the Shorthorn competition, Albert Fritzler, of Sterling, Colo., won first with a light-weight steer. Stanley Held, of Plymouth county, Iowa, showed the Shorthorn reserve champion.

Johnson had the champion Angus, and Bernard Klauenberg, of Marshall county, Iowa, showed the reserve champion Angus.

The junior champion steer and the reserve champion steer were to be selected from these six. With the honor went the chance to win the single steer grand championship as well as the reserve grand championship of the show.

Johnson's Angus steer was placed first and was made champion of the Junior Feeding Contest. Fritzler, of Colorado, earned the reserve championship with his Shorthorn.

At this stage of the game, the Johnson steer was given the edge to win the grand championship of the show. Then Joe Duea, of Wright county, Iowa, won the individual steer championship in the open Shorthorn class. Critics began to see real competition in this steer for Johnson's Angus.

When the Johnson steer and the Duea steer met in competition, the Shorthorn won. But the 1,070-pound Angus was named reserve grand champion of the show.

The black steer was raised by Robert's father, Enoch Johnson, in Logan township, Ida county, Iowa. He was 18 months old and weighed 1,070 pounds.

Robert is 20 years old. He showed at the Chicago Fat Stock Show in 1943. His steer that year placed fifth in his class.

Other junior feeders who won first in their weight classes were as follows:

Shorthorns — Emmet Wolf, Plymouth county, Iowa, and Bill Brown, Macon county, Illinois.

Angus—Earl A. Collis, Henry county, Illinois, and Alfred Schudel, Kane county, Illinois.

In county groups of three animals fed by juniors, Mahaska county, Iowa, won the championship group in competition with entries from five states. Cuming county, Nebraska, juniors showed the reserve champion group of three

In the competition for the best 10 steers fed by juniors in any state, Iowa placed first. After Iowa came Illinois, Nebraska and Indiana in the order given.

Medical Discharge As An "N. P."

Some veterans are getting medical discharges as "N. P.'s." This "N. P." stands for psychoneurotic. Sometimes the veteran is worried by this classification; sometimes his folks are.

What is a psychoneurotic, anyway? Dr. Thomas A. C. Rennie, associate professor of psychiatry at the Cornell University Medical College, says:

"Let us recognize that there have always been psychoneurotic individuals and always will be. Let us recognize that until war broke out, these individuals got along in life, a bit uncomfortably from time to time, but productive.

"Some of the greatest achievements have been accomplished by neurotic individuals whose very neuroses drove them to do more than they might otherwise have done.

"There is no stigma involved—a psychoneurosis is a perfectly respectable disorder. The sooner we can bring it out in the open and do for it in the way of public education what has been done for tuberculosis, syphilis and cancer, the sooner we will be ready to meet this tremendous problem.

"About 60 per cent of all patients going to doctors in peace-time are psychoneurotics."

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Fight mange, skin disease and lice this easy, proved way—with the Automatic Hog Oiler and Scratcher. The animals do the work, *you* get bigger profits and save time.

One machine keeps 100 hogs contented . . . and there's no work for you!

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Sioux City, Ia., Thurs., December 20

Consignors — Max Grosnickle, Laurens, Leonard Heine, St. Helena, Nebr., Gerard Kirkvliet, Larchwood, Iowa; Walter Kruse, Sheldon; Roy B. Morrison, Lyons, Nebr.; Ralph Stevens, Ft. Dodge, Iowa; H. B. Wheeler, Marcus, Iowa; George Wedel, Minden.

48 cows, 6 bulls, 6 bull calves, 4 cow calves. Including a dispersion of the herd of Geo. Wedel, Minden, Iowa, 14 polled cows, 2 polled bulls, 4 polled cow calves, 5 polled bull calves, and 8 horned cows.

MASON CITY, IOWA
Saturday, Dec. 22nd
60 cows, 9 bulls, 12 cow calves 6 bull calves

Consignors—Dispersal of Arthur Bleckwenn herd, Cylinder, Iowa. 15 cows, 4 cow calves, one bull. Other consignors—Ray H. Emmert, Des Moines; A. E. Eschen, Lamont; Geo. Glass, Perry; Hans C. Guldager, Ackley; Glenn Miller, Kamrar; Ray H. Veldhouse; Robert Ringsdorf, Woden; Joe Spalla, Ridgeway; Square Deal Farm, Cedar Rapids; Fred Sydness, Huxley, Iowa; Gerard Tammen, Gilmore City.

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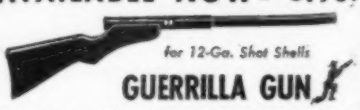

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PAW TUCKER — Yes, Paw Is Always Ready With a Helping Hand

Boost Low Incomes

To Help Farmers Markets, Says Anderson

Should minimum wages of about 4,500,000 workers, including those processing farm products, be raised from 40 cents an hour to 65 cents? Farm workers are not included. Secretary of Agriculture Anderson testified recently in favor of this change. Some of his comments follow.

FAMILIES of wage earners in this country are the biggest single group of customers that the farmer has. Better incomes for them will mean better markets for farm products. . . .

Families with annual incomes below $500 ordinarily consume in a year a little more than 1,000 pounds of food per person. But, of course, the grade of food they buy is relatively cheap.

Families with incomes of $5,000 or more per year buy about a ton of food per person. Moreover, the type of food which they purchase is fully twice as expensive per pound as that purchased in the lowest income groups.

High-income families eat much more of fruits, meats, dairy products and vegetables than do low-income families. . . .

If we can have a general rise in family incomes, we can be assured of expanding markets for food products — particularly for foods that supply the minerals and vitamins essential to a good diet. . . .

Studies by the Department of Agriculture staff indicate that for each increase of one billion dollars in the annual earnings of low-income workers, there will be a corresponding increase in food expenditures of at least 200 million dollars.

A modest increase in the earnings of low-paid workers will be a highly desirable type of insurance against a substantial decline in the demand for farm products, resulting from the decreased purchases of such products on the part of the armed forces, plus the decline in lend-lease shipments, while, at the same time, reconversion unemployment is a problem.

If production per worker increases rapidly, it is obviously true that there can be substantial increases in wages without any rise in prices.

It is evident that the passage of the Fair Labor Standards Act of 1938 did not bring about any apparent increase in the prices of commodities purchased by the farmer.

That act was passed by congress near the end of June, 1938, and became effective about October 1 of that year.

The quarterly index of prices paid by farmers for items used in family living stood at 122 in June, 1938. (The average of 1910-14 equals 100.) By September of that year it was down to 121; in December it had declined to 120, and in both March and June of 1939 it was 119.

It was not until September, 1939, that the index reached the level of 122, at which it stood in June, 1938. Moreover, it declined slightly after June, 1939, and a full year later, in the middle of 1940, the index was still below the level of mid-1938.

Bred Ewe Sale

JANUARY 12, 1946
DES MOINES, IOWA

Hampshire and Shropshire

Young quality Ewes bred to Rams of National Reputation. For catalog write

H. P. QUECK, Secy., ORIENT, IOWA

Southwest Iowa Purebred Sheep Breeders' Association

SKOW'S
PACKER-TYPE HAMPSHIRES
Every day sale day except Sunday
60 BOARS
25 Fall and 35 Spring

The rugged, heavy boned kind by son of Conscription Model (Iowa's Barrow Sire Champion). Others by Shine On, Prewue, V-Day, Masterpiece and The Miver. Sow by Conscription Raider who placed fourth at National Spotlight Show, with Iowa largest herd selling at private sale.

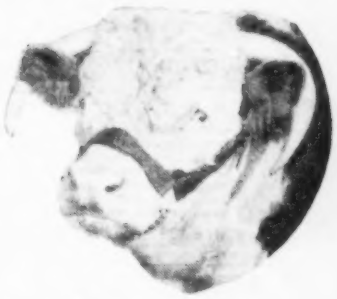
JOSEPH A. SKOW **WESLEY, IOWA**

Eastern Iowa Hereford

SHOW
1:00 P. M., Jan. 2d
SALE
12:00 Noon, Jan. 3rd

At fair grounds sale pavilion

DAVENPORT, IOWA
JANUARY 2 and 3



83 HEAD: 33 Bulls, 50 Females

A splendid offering for the first sale, selected with care from 29 leading herds in this district and includes cattle rich in pedigree and pleasing in type. The sort that will be real money-makers.

CONSIGNORS

Bennett, Winona.....Mechanicsville
Burr, Glen & Son.....West Liberty
Cornelius, Gilbert.....Bellevue
Davidson, Alvin.....Mechanicsville
Doerfer, J. H.....Muscatine
Deppe, Henry.....Bellevue
Eichelberger, Lysle.....Letts
Griep, Walter.....DeWitt
Harring, Earl.....DeWitt
Heeren, Albert.....Monticello
Heeren, John.....Onslow
Hillandale Farm.....Muscatine
Holst Bros.....Davenport
Wiese Bros.....Donahue
Hoppel & Sons.....Cedar Rapids
Kleis, Anker & Son.....Baldwin
Marcus, Leroy.....Lamotte
McGinnis, Earl.....Le Claire
Meeker, Joseph W.....Letts
Meyer, Lyman E.....Bellevue
Murray Hereford Farm..Oxford Jct.
Paulsen, Clarence F.....Stockton
Paustian, Dale.....Walcott
Rohlf, Earl L.....Bennett
Sevig, Oscar C.....Walford
Stock, Fred.....Lone Tree
Taylor, E. C.....Baldwin
Thomsen, A. A.....Atalissa
Schooley, H. L.....West Liberty

The bulls are most all of serviceable age and include much herd bull material. The females include 5 cows with calves at side, 33 heifers, 2 years old and under, 12 heifers suitable for 4-H Club work. Many champions have been shown from herds in this District at the State and National shows, which indicate the class of cattle produced by the breeders in this section. Blood lines that will assure their future usefulness. The large number affords a wide selection. Plan now to attend. Ask for FREE catalog. Please mention this publication. Address

D. A. JAY, Sale Mgr., AMES, IOWA

Auctioneer, G. Pettit. J. E. Halsey, Fieldman.

BANQUET and annual meeting evening of January 2d. 4-H Judging Contest forenoon of January 3rd.

Buy the PICK of the NATION at the

NATIONAL POLLED SHORTHORN CONGRESS

Show and Sale—Feb. 1-2—100 Top Individuals—Lincoln, Neb.

Polled Shorthorns—the naturally hornless model of the Shorthorn—sweeping rapidly to the front in popular acceptance everywhere. 40 bulls, 60 females, with all the superior Shorthorn beef breed characteristics. Send for illustrated catalog and FREE information about Polled Shorthorns. Ask about our FREE FREIGHT OFFER up to $200 on ANIMALS BOUGHT IN THIS SALE. Cornhusker Hotel, Headquarters.

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Auctioneers, J. E. Halsey and H. James.

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At farm 1 mile north and 5 miles east of Orange City, Iowa, and 3 miles south and 3 miles west of Hospers

ALTON, IOWA, JANUARY 3rd

60 Registered Holstein and High Grade Cattle

There are 36 cows and springing heifers; 16 heifers, 8 bulls; 5 are registered and of serviceable age. Good cattle and richly-bred. Also complete line of farm machinery, practically new. For FREE information write

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Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

Livestock For Sale

SPRING BOARS. Berkshires, Hampshires and Poland Chinas of good type and breeding.

DAIRY BULLS. Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey bull calves from two to ten months of age.

HORSES. Two three-year-old stallions, one chestnut Belgian and one black Percheron. Write

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IOWA STATE COLLEGE AMES, IOWA

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Successful sales for leading breeders, lifetime experience with Livestock. Apply early, as I am busy during season. Rates reasonable. Telephone Residence 7-3645; Business 3-6181.
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OAK GLEN ABERDEEN ANGUS

Herd Established in 1899
Now offering several good bulls up to 20 months of age at reasonable prices. Come and see them or write.
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AYRSHIRES

Raise Ayrshires

Heaviest producer of 4% milk at lowest feed cost—the milk the post-war market demands.
Ayrshires are noted for perfect udders, grazing ability, hardiness and outstanding type.
Write for literature and list of breeders near you with stock for sale.
Ayrshire Breeders' Ass'n
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4% MILK

REGISTERED AYRSHIRES

Choice Ayrshire Bulls of serviceable age, also heifer calves.
F. H. BASKINS, CEDAR FALLS, IOWA
Route No. 3

BROWN SWISS

Brown Swiss Dispersal

At farm, 9 miles north of Belle Plaine, on Highway No. 21, just 4 miles north of No. 30.
ELBERON, IOWA, JAN. 2nd
23 REGISTERED BROWN SWISS
All cows milking now and test from 4% to 4.6% with excellent production. Good breeding and quality. Plan to attend. Ask for FREE information.
ED. HAYEK, ELBERON, IOWA

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Oakland Guernsey Farm

Mukwonago, Wisconsin offers 5 to 30 high-grade beautifully marked, month old heifer calves at $30 each, delivered on approval, also older heifers. All have real quality and are tested.

GUERNSEYS

Several close springing registered and grade Guernseys for sale. Also 16 registered bulls and bull calves.
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P. O. Box 266D FARMINGTON, ILLINOIS

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Several choice registered heifer calves. Also 2-year-old bred heifers; a few cows. 10 serviceable bulls. **BEAU BLANCHARD** and **DOMINO** breeding. Best of quality.
HENRY A. ASMUS AUDUBON, IOWA

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Choice bulls serviceable age by **WHR TRIUMPH DOMINO 13th** and **WHR HERITAGE 27th**, also a few splendid females. Best blood lines. Priced to sell.
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20 excellent heifers of **Star Domino** and **Dandy Domino 11th** breeding. Also 12 mature females. Bred to grandson of Hazford Rupert 81st. Priced to sell.
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The ideal breed for Corn-Belt farmers . . . they prefer cattle without horns. The most popular breed in farmers' feed-lots today. They mature early, respond to feed . . . make rapid gains and are market-toppers. Improve your herd with a **POLLED HEREFORD** bull. Ask for **"ADDED VALUE,"** a FREE illustrated booklet, also list of breeders.

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Offering several grandsons of Noted **HAZFORD RUPERT 81st**, International grand champion and sire of champions. Quality and breeding. Reasonable prices.
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Wisconsin dairy heifers, one to two years old. Can furnish any number in truck lots, directly from dairyland's good herds. No stockyard stuff. More than 20 years' experience in buying the right kind. References furnished on request.
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Shomont's Holstein Bulls

Bred for type and production. Priced reasonable.
SHOMONT FARMS AND KENNELS
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Choice month old heifer calves, without papers, laid down at your station. $31.50 each, the right kind.
CLAYTON CHANDLER
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High Grade Holstein Heifers

Offering choice month old heifers, in lots of 5 to 20, at $32.00 each delivered.
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Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs.
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Polk County Johnston, Iowa

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BREEDING, BUTTER AND BEAUTY—you get all three in a Golden Sunset Bull and at a price you can afford. Send for FREE list.
ENNIS STOCK AND DAIRY FARM
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SHORTHORN BULLS

Choice Scotch bulls, reds and roans, good quality, 10 to 14 months old, by Champion **STROWAN SQUALUS.** Best in breeding. Reasonable. Write or visit
CLEM LARSON CALLENDER, IOWA

MILKING SHORTHORNS

MILKING SHORTHORNS FOR 4% MILK & GREATEST SALVAGE VALUE

Official as well as "on the farm" records under average farm conditions prove that Milking Shorthorns are best all-round breed! Produce 4% milk and have greatest salvage value of all milk breeds! Get the facts—FREE! Or read Milking Shorthorn Journal. Trial subscription six months 50¢, one year $1.00.
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MILKING SHORTHORNS

Because of ill health, retiring to smaller farm. Will sell nearly all the herd. **Bulls** 2 to 14 months old. **Females** 2 months to mature cows. Best of **Bates, Clay** and **Imported** English families, with highest milking ancestry possible to obtain. **Priced to sell.** Also **White Collie** Puppies, guaranteed natural heelers.
PEERLESS & BELL VERNON HERD
Decorah, Iowa

Dual-Purpose Shorthorns

Bates bred, extra choice bulls rich in pedigree with good production from a long-established herd. Priced to sell.
J. RUSSELL CURRIER MASON CITY, IOWA

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Registered dark red and roan bull calves up to 7 months out of dams now making R. M. records and sired by a son of the proven bull, Walgrove Campfire. Reasonable. See, phone or write.
E. CHAS. COLLISON, R.F.D. 3, CARROLL, IA.

POLLED SHORTHORNS

Polled Shorthorn Bulls

Sired by **Dales Crown** and **Shadybrook Knight.** Farm on paved highway No. 169, 30 miles north of state line.
BERT A. HANSON, VERNON CENTER, MINN.

DAIRY CATTLE

DAIRY CATTLE

Holstein heifers, springing, bred and open, fine quality. Also a few choice yearling Guernseys. Tested.
ED HOWEY, SOUTH ST. PAUL, MINN.

WISCONSIN DAIRY CATTLE

Holsteins, Guernseys and Brown Swiss. Fresh cows, heavy springers, heifers and calves. Nebraska's largest shipper of dairy cattle.
PAUL W. ROLFSMEIER, SEWARD, NEBRASKA

OUR CHRISTMAS MESSAGE

First, we thank God for our Saviour—whose birthday we celebrate on Christmas Day. We also wish to thank God many, many times for the end of the war which has been raging for the past six years.

Let me say this year, the same as we have said in years past: A Blessed Christmas and a Happy New Year to you all!

The L.C. BOLSON Co.
A NAME YOU CAN TRUST IN FEEDS!
DECORAH, IOWA.

DAIRY CATTLE

BULL AND HEIFER CALVES

Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
J. M. McFarland, Watertown, Wis.

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REGISTERED BERKSHIRES

Immuned. Unrelated weanlings, $45 pair. Spring boars and gilts. Serviceable ages. Independent Lad, War Eagle and Supreme Lad breeding. Special 10-day closing out price. Write
FRED M. LUTTRELL PARIS, MO.

CHESTER WHITES

75 CHOICE CHESTER BOARS

Outstanding Tops, selected from our two herds. Sired by Cornerstone 512235, Hillside Victory 522383, Quality Balance 521669, and Show Boy 524357. Anyone looking for a good herd boar with well balanced body, ham, and good bone and feet, with smoothness all the way around should look these over. They are the Type in demand today and the kind good Breeders and Farmers are looking for. Our boars have gone to some of the best herds in the past and ready to go again. New blood for past customers. Pedigreed, immuned and reasonably priced. Write your wants or visit our herds.
F. H. SCHMADEKE & SONS
CLARKSVILLE IOWA

CHESTER WHITE BOARS

Choice big, thick, smooth spring boars. Good, easy-feeding kind. Boars that will please you. Best of breeding. Immuned. Write or come and see them.
B. G. SCHETTLER BREDA, IOWA

40 CHESTER WHITE BOARS

Mostly sired by Weigh A Head, grandson of Step-a-Head and Modern Model by Modern Design. Have one litter each by Silver Lad, Portage Model and Hillside Banner. Also one very outstanding fall boar by Modern Model. Thick, smooth, rugged, good hams. Immune, registered. 22 years a breeder. Write or visit, GLEN L. RINEHART, Britt, Iowa.

Choice Chester White Boars

I am now offering 50 head of the best boars I have ever raised. Sired by Don, Portage Renown and Wonder Boy, and out of the breed's best dams. March and April farrow, medium type.
ROY V. COPP GLIDDEN, IOWA

CONNOR'S CHESTER WHITE BOARS

Now offering 40 head of high class Chester White boars, sired by Silver Top, by Lile Silvermere by Lile's Tip Top. Present day type, well hammed, born down boars. Vaccinated. Popular prices. Farm 3½ miles east of town.
WARREN CONNOR GLIDDEN, IOWA

DUROC JERSEYS

DUROC JERSEY GILTS

50 Choice Registered Duroc Gilts bred to a great sow of Spotlight, 1945 Minnesota Grand Champion for March and April farrow. Sired by a sow of the $3,000.00 Tops, Orion HiHope and others. Vaccinated. Priced reasonable.
EARL DRUMMY
RYAN IOWA
¾ mile south, 3 miles east

30 CHOICE DUROC BOARS

I am offering 30 of the best Duroc Jersey boars I have ever raised. These are sired by Orion's Golden Fancy, King and Modern Designer. Write or come and see them.
FRANK J. RUPPERT MALLARD, IOWA

GOOD DUROC BOARS

Last call for choice boars. The big easy-feeding kind, that farmers prefer. Good type, quality and breeding. Priced to sell.
SAM ROBERTS & SONS, JEFFERSON, IOWA

HAMPSHIRES

REGISTERED HAMPSHIRE

Spring boars and bred gilts sired by **Grandiose,** a son of All American Grand HiRoller and **Glory Bound Ace,** son of All American Glory Bound. Gilts bred to grandson of **One A.** Call or write for some top gilts and boars.
ALBERT J. LARSON & SON, AYRSHIRE, IOWA

45 Choice Hampshire Boars

Sired by Old Iowa Glory, grandson of New Glory; and Grand Bombadier, grandson of Grand High Roller. Best herd of boars we have ever owned. Write us at once or phone through Blencoe, Iowa.
PHILLIP JOHNSTON & SONS, ONAWA, IOWA

HAMPSHIRE GILTS

Choice gilts, real beauties, bred for March farrow, to a great sire. Price $60 and $65. Act now.
H. T. FARRAR MAXWELL, IOWA

HEREFORD HOGS

HEREFORD BOARS

Select and choice herd boar prospects. Excellent individuals, choice blood lines.
BERT F. LYON SAC CITY, IOWA

Registered Hereford Hogs

Can please anyone; priced at about half what you would pay at auction. Boars out of reserve champion at National Show, JASPERS RETURN. Act now. Originators.
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HEREFORD BOARS

Choice spring Hereford boars. The easy feeding, long, smooth, thick, deep bodied type. The best of breeding at reasonable prices.
KERMIT MISKELL STORY CITY, IOWA

Keep Your Bonds--Buy More

POLAND CHINAS

Poland Spring Boars

I have 35 very choice boars that I am selling at private treaty. Most of these were sired by **Moderne,** a production bred boar. These are from litters ranging from 10 to 12 pigs per litter. They are the easy-feeding kind and just the type we all want. Write for description, or come and make your choice. Satisfaction guaranteed. Farm on Northeast edge of town.
TOM VINT Spencer, Iowa

POLAND CHINAS

Spring boars of splendid type and breeding for sale. Also the splendid yearling herd boar, Peck Again, the No. 1 pig in the E. C. Forest sale last year. Prices reasonable. Write or come.
W. S. AUSTIN AND SON DUMONT, IOWA

SPOTTED POLAND CHINAS

SPOTTED POLANDS

Choice registered bred sows to farrow in January and later. Also open gilts. Best in breeding. Priced to sell.
ROBERT WIXOM VERMONT, ILLINOIS

Spotted Poland China Boars

These are good individuals sired by boars from Karl Carlson, Earl Kellogg & Sons and F. L. Jackson herds. Farm location 2 miles north, 3½ miles west of Alta, Iowa, 3 miles east of Aurelia, Ia.
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TAMWORTHS

QUALITY TAMWORTH

We can now offer you both boars and gilts eligible for record. The best of breeding with smooth, deep bodies and rich red color. In the best of condition and cholera immune.
PROBST BROS. IOWA CITY, IOWA

YORKSHIRES

YORKSHIRE BOARS

I have a few Yorkshire boars left, also breeding some gilts now for spring.
WM. ZAHS RIVERSIDE, IOWA

SHEEP

Registered Corriedale Sheep

75 Rams, 150 Registered Bred Ewes, 800 Unregistered Ewes. Puppies—Collies, Shepherds, Airedales, Rat Terriers, Spitz. Prices reasonable. Guaranteed. Office: Stone's Wool House.
THOS. STONE CHARITON, IOWA

SHROPSHIRE SHEEP

Choice Ewes for Seed Stock. Rich in breeding, sired by and bred to prize winning rams. Reasonable.
H. E. HAZEN DENMARK, IOWA

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WANTED Terrier pups, Collies, Shepherds, Airdales, White Collies; Bulldogs, Wire Terriers; also few trained dogs under two years. Will buy any number. State breed, number, color, age sex and price wanted. Pups must represent breed.
Box 8—Wallaces' Farmer and Iowa Homestead

Shomont Collies

Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO, IOWA

GENUINE ENGLISH SHEPHERD PUPS.
(Heelers, no fooling.) (Year's trial.) Guaranteed.) Training instructions. Males, females, spayed females specialty. (Several partly trained.)
EMIL RUNFT
Reinbeck - - - - - - - Iowa

WANTED TO BUY

Good English Shepherd or Collie pups.
Write Box 1, Wallaces' Farmer and Iowa Homestead

SHEPHERDS, COLLIES

Heelers, Watch Dogs
E. N. ZIMMERMAN
Flanagan Illinois

GENUINE ENGLISH SHEPHERD PUPS

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

HUNTING HOUNDS

Coon, opossum, fox, rabbit and combination hunting hounds, shipped for trial. Free literature showing picture and breeding. State dog interested.
KENTUCKY COONHOUND KENNEL
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English Shepherd Puppies

Bargains for Christmas Season.
English Shepherd Puppies. Natural bob.
WALLACE WINEGAR, BRANDON, IA.

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that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD.

Up-to-Date News Of Coming Livestock Sales

ABERDEEN ANGUS

Jan. 17—Story County Breeders, Ames, Iowa; D. A. Jay, Mgr.
Feb. 8—W. S. Austin, Dispersion, Dumont, Ia.
Feb. 27-28, Mar. 1—National Show and Sale, Chicago, Ill.
Mar. 4—Iowa-Missouri Breeders Sale, Creston, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Mar. 12-13—Iowa State Show and Sale, Des Moines, Iowa; Herb Cline, Secy., Bussey, Iowa.
Mar. 21—Iowa-Minnesota Breeders Sale, Spencer, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Mar. 26—Bar H Farms, Columbus Junction, Iowa, and Goose Creek Farms, Muscatine, Iowa.
Mar. 27—Otto G. Noble, Davenport, Iowa.
Mar. 28—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Mar. 29—F. M. Bradley & Son, Avon, Ill.

HEREFORDS

Dec. 17—Chris M. Christensen, Dundee, Minn.; sale at Worthington, Minn.
Jan. 3—Eastern Iowa Hereford Breeders Assn., sale at Davenport, Iowa; D. A. Jay, Sale Mgr., Ames, Iowa.
Jan. 23—Breeders Sale, at Creston, Iowa; John Bliss, Mgr., Creston, Iowa.
Jan. 26—Adel Hereford Sale, Adel, Iowa; Bernard Hart, Mgr., Grimes, Iowa.
Jan. 28-29—Iowa State Show and Sale, Cedar Rapids, Iowa; J. C. Hulbert, Mgr., Box 192, Washington, Iowa.
Mar. 11—Western Iowa Breeders Sale, Carroll, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.
Apr. 30—North Iowa Association, Mason City, Iowa; Leigh R. Curran, Mgr.

POLLED HEREFORDS

Jan. 26—Adel Polled Hereford Sale, Adel, Iowa; Bernard Hart, Mgr., Grimes, Iowa.
Feb. 21—N. W. Iowa Polled Hereford Breeders Assn. Sale; Ed Kriec, Secy., Rock Rapids, Iowa.
Mar. 11—Western Iowa Breeders Sale, Carroll, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.
Apr. 30—North Iowa Association, Mason City, Iowa; Leigh R. Curran, Mgr.

SHORTHORNS

Dec. 17—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Jan. 22—Tri-State Shorthorn Breeders sale, Sibley, Iowa; Martin Loinsen, Mgr., Rock Rapids, Iowa.
Jan. 25—Alvin Artman (Dispersion), Scales Mound, Ill.
Feb. 9—Dewar Bros., Cherokee, Iowa.
Feb. 20—Annual Spring Show and Sale, South Omaha, Neb.; Merv. Asgerter, Mgr., Seward, Neb.
Mar. 4-5—Interstate Shorthorn Breeders Assn. sale, at Sioux City, Iowa; F. E. Jackson, Secy., Huron, S. D.
Mar. 18—Marshall County Breeders, Marshalltown, Iowa; J. H. Packer, Mgr.
Mar. 22—Shorthorn Breeders Sale, Abingdon, Ill.; Hal Lomey, Sale Mgr.
Mar. 29-30—Iowa State Show and Sale, Des Moines, Iowa; Class Garden, Mgr., Route 6.
Apr. 1—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Secy.

POLLED SHORTHORNS

Dec. 17—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Feb. 12—National Polled Congress, Lincoln, Neb.
Feb. 21—Annual Spring Show and Sale, South Omaha, Neb.; Merv. Asgerter, Mgr., Seward, Neb.
Mar. 23—Illinois State Sale, Normal, Ill.; Hal Lomley, Mgr.

MILKING SHORTHORNS

Dec. 20—Breeders Sale, Sioux City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.
Dec. 22—Breeders Sale, Mason City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

DAIRY CATTLE

Jan. 2—Ed Hayek (Brown Swiss), Elberon, Iowa.
Jan. 3—Arthur Kroger, Holstein Dispersion, Alton, Iowa.

CHESTER WHITES

Jan. 31—Bonneway Farm, De Witt, Iowa.
Feb. 1—Robert Noelke, Clarion, Iowa.
Feb. 11—Warren Conner, Glidden, Iowa.
Feb. 12—Cecil Targe, Lucerne, Iowa.
Feb. 13—Nels Terpstra, New Sharon, Iowa.
Feb. 14—Roy V. Copp, Glidden, Iowa.
Feb. 15—C. T. Keen & Sons, Leground, Iowa.
Feb. 16—A. H. Stuart, Newhall, Iowa.
Feb. 18—Fred Mutschler, Geneva, Iowa.
Feb. 22—R. A. Reimenschneider, Kingsley, Iowa.

DUROC JERSEYS

Jan. 21—Donald M. Hartz, Maynard, Iowa.
Jan. 25—Knotek Bros., Riverside, Iowa, and Harold C. Timm, Muscatine, Iowa.
Feb. 1—Ralph L. Eastridge, Runnels, Iowa.
Feb. 25—Knotek Bros., Riverside, Iowa, and Harold C. Timm, Muscatine, Iowa.

HAMPSHIRES

Jan. 28—O. W. Jones & Son, Ute, Iowa.

POLAND CHINAS

Jan. 22—Nick N. Kirsch, Carroll, Iowa.

SPOTTED POLAND CHINAS

Feb. 5—A. J. Anderson & Sons, Kellogg, Iowa.
Feb. 16—Miles M. Mann & Son, Woodbine, Iowa.

SHEEP

Dec. 17—Dispersal, Oskaloosa, Iowa; Perry Ewing, Chicago, Ill.
Jan. 12—Southwest Iowa Purebred Sheep Breeders Assn., Des Moines, Iowa; H. P. Gueck, Secy., Orient, Iowa.

LIVESTOCK FIELDMEN
M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska, Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.

Livestock News

The Duroc sale of Harold C. Timm, at Muscatine, Iowa, October 3, was very successful. The top boar, Lot 6, sold for $245 to John Wolf, Maquon, Ill. Lot 5 went for $240 to Chas. Troyer, Kinross, Iowa. The top gilt, Lot 15, sold for $290 to Donald Hartz, Maynard, Iowa. The 40 boars averaged $110.80, with 32 gilts at $82.28 each. Total of sale, $7,007.50.

The Iowa Holstein sale, at Spencer, Iowa, November 20, was successful. The top was Lot 47, an extra female, sold by Harold Knabel, Emmetsburg, Iowa, for $800 to Spies & Lein, Graettinger, Iowa. Lot 13, from the Ronald Chapman herd, a daughter of Maytag Ormsby Fobes 2d, sold for $750, to E. F. Powell Spencer, Iowa. Lot 14, from the same herd and by the same sire, went at $575 to E. F. Powell. The top bull, Lot 1, was consigned by P. P. Stewart, a May calf by Dunloggin Deen Var, and sold for $550 to Chas. Sundall, Baltic, S. D. The seven bulls averaged $287, with 29 females at $320 and 36 lots at $313.50 each. Auctioneers, J. E. Mack and J. E. Halsey.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

PEACE TO MEN of good will is a grateful reality this holiday season. Yes, we've waited four long years, but now we can dedicate ourselves to the real significance of Christmas. Our sincere wishes go out to all our friends wherever they may be. And with our thoughts of rejoicing also goes our prayer for Lasting Peace.

CHRISTMAS is only a few days away, and, as far as children are concerned, it won't be much different than last year. Santa's pack won't be filled with many of the longed-for prewar toys. Metal toys will be scarce, and only a lucky few will get wheel toys, electric trains and mechanical toys. The older children, like Mother and Dad, probably won't mind the sacrifices, because in many cases having brothers or sons home will be enough reason for a joyous Yuletide.

WINTER TIME is a good time to do some "easy-chair" planning that might save a lot of effort and money during the balance of the year. You'd be surprised how many chores can be saved by such a simple thing as moving a gate or building an extra feed bin in the barn or rearranging pastures so the hogs can take better care of themselves next spring. The important thing is not to be so busy that you don't have time to think about how the job can be done easier.

IT'S OFTEN SAID quality has no substitute. Naturally, anyone who subscribes to this theory will strive to put quality at the head of the list. Such is the case in the manufacture of Walnut Grove minerals, where we use nothing but the highest grade ingredients in our product. This policy builds permanent patronage such as we find in Polk county, Iowa, where, among others, such men as Claude Holland, Lawrence Howard, Harold Link, Paul Lee, Ralph Donahue and Walter and H. S. Renand are Walnut Grove users. Wm. H. McNabb represents us there.

CURRENT HOG RECEIPTS leave little doubt as to the quantity of pork produced on Iowa farms this past year. Earlier in the fall, many of our consumer friends wondered where all the porkers were, but their question should be answered now. In general, the spring pig crop was farrowed later than usual. Added to this situation, many pigs have been held to heavier weights than normal. As a result, some marketing specialists are deeply concerned about possibilities of a market glut after the first of the year. Best suggestion appears to be orderly marketing, cutting loose limited numbers when they're ready instead of holding the entire drove until the lightest ones are finished.

WALNUT GROVE minerals are playing an important part in the feeding programs of many northeast Iowa farmers. Among these in Delaware county who know the value of a complete mineral mixture are Chas. Swartz, Leslie Heiken, Cortland Appleby, Bernard Schulte, Herbert Cocking and the Dr. W. H. Guess farm. For the past six years, George White, of Manchester, has handled our business for farmers in this section.

POST WAR HOGS should be more the middle-of-the-road type and carry a maximum amount of lean meat if profits are to be held up. This is the opinion of many close to the picture who cite an excess amount of lard in pre-war years tended to pull down the pork price. Selection of the right type of breeding animals is about the only way to avoid a return of the same situation that prevailed in years past.

BEDDING FOR HOGS marketed by rail or truck is a mighty important consideration. With cold weather, the best bedding is a layer of sand covered with straw. Straw, alone, isn't so good because it gets slippery when wet. Loose cobs are just as bad. A good many broken legs or other injuries could be avoided if more care were exercised along this line.

BEFORE THE WAR, we considered farm boys the cream of the crop, physically speaking. But draft board doctors found out differently. Thousands were rejected for army service because of bad teeth, poor sight and more serious ailments. Much as we dislike admitting it, records prove rural America lags badly in attention to health. Presidential action may provide doctors and hospital facilities on a more equal scale. At any rate, in rural sections, doctors are far too few, while scarcity of dentists is even worse.

POSTITIVE RELATIONSHIPS between soil fertility and human health are major factors in research work carried on in Chicago. Reports from selective service reveal Colorado has had the highest health level as shown by military examinations. Meantime, some southern states are in the poorest bracket. Well known is the fact that soils in part of the south are deficient in the vital mineral elements of calcium and phosphorus. On the other hand, Colorado is in a rich region for these minerals.

REPORTS COMING TO US, added to personal observations, indicate hogs have done mighty well this year. Real credit, of course, should go to the producer, who's done the job well. In our local community Elmer Woodside sold 76 six-month-old porkers that averaged 223 lbs. and 60 more at 6½ months, averaging 240 lbs. Lloyd Nichols, of Cass county, sold his hogs October 15, averaging 270 lbs. Lester Nelson's averaged 300 lbs. at seven months, while Hans Christensen's 50 head averaged 285. Gregory Rains sees to it mineral needs in this territory are filled.

FARM MACHINERY production lags so far behind schedule that many won't be able to buy new tractors, plows or planting equipment for some months. Compared to a similar period last year, production this fall is far below expectations and even wartime levels. Manufacturers say that principal stumbling block is lack of materials, particularly steel castings and sheets, along with manpower problems.

FARM MECHANIZATION has advanced rapidly the past 25 years, but a building program to house new implements has lagged badly. Machinery, unprotected from the elements all winter, has its life span shortened materially. True, we haven't been able to construct many new machine sheds, but such a program deserves consideration as soon as lumber is available.

IT'S WONDERFUL in this great corn belt that no one section has a monopoly on feed or livestock production. Every part of Iowa excels in both. In northeast Iowa, which isn't considered strictly a corn-hog section, there is an abundance of good corn-hog farmers. Among our customers in Fayette and Clayton counties, where John Frederick handles our business, are Louis Price, Pat Raftis, Noble Sardorf, and Mrs. Sarah Dixon and sons.

FUTURE DAIRY PRODUCTION can now be quite accurately determined when heifers are only four months old. Principal factor is udder development. In one test, it was found that heifer calves with poor udders at four months produced as much as 4,000 pounds less milk than those with more udder development at the same age. If such a system can be developed and proven, a lot of low producers can be eliminated as calves, thereby saving much feed and labor.

THE WAR IS OVER, but it's too soon to abandon some wartime farm practices. One of these is winter storage of fertilizer, just to be sure it'll be on hand for use at planting time. There are more abundant supplies of raw materials necessary to produce commercial fertilizer, but delivery bottle-necks undoubtedly will develop if all farmers wait until the last minute. About 30 per cent of the fertilizer used last spring had been in storage on farms part of the winter.

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Livestock News

The Plainview Farms Holstein Dispersion sale, at Sutherland, Iowa, on November 21, drew a large crowd, and 48 cows and heifers were sold at an average of $250 per head, with three bulls at an average of $350 per head. The 51 head averaged $240 each. The five-year-old herd bull, Besslyn Skylark Ormsby Fobes, topped the sale at $550, going to Maplecrest Farms, Wellman, Iowa. Mapleton Rose Diana Lad went to H. Bedford Ludlow, Worthington, Minn., at $300. The top cow was Skylark Fobes Dekol Butter Girl, and she went to R. C. Brown & Son, Paullina, Iowa, at $505, and her two small calves sold for $110. The Des Moines County Home, at Burlington, Iowa, took No. 2 at $390; No. 3 at $360 and No. 24 at $400. Maplecrest Farms took No. 20 at $490. Harry Crouse, Paullina, Iowa, got No. 35 at $305, and College View Farms, at Wayne, Neb., got No. 16 at $335 and No. 32 at $375. Bridge Bros., Worthington, Minn., bought No. 15 at $310; Maytag Farms got No. 10 at $375, and S. A. McMasters took No. 4 at $305. Fifteen more head sold at from $200 to $300. It was a nice offering of cattle in good condition, and a good buying crowd from beginning to end. Orr G. Watson, the manager, is retiring, to go south for his health. Col. J. E. Halsey did the selling, with Tom Feenstra and Bud Lyman in the ring.

The Hereford sale of Hogan & Anstey, at Atlantic, Iowa, on November 19, proved to be a drawing card and a good sale was made. This herd was recently purchased by Magness Bros., Ireton, Iowa, and they sold 190 head of Herefords at an average of $130 each, including calves and all. The top was $320, on a daughter of Beau Gaston, and she went to Jim Anstey, Massena, Iowa. The cattle were sold without any special preparation, but they were good cattle and were right off grass. There was a good demand for cows and heifers in this sale, and the cows with calves sold well, as also did the heifers. K. C. Shull, Riverton, Iowa, took Lot 42, by Beau Gaston 439th, with a bull calf at foot, for $300, and one or two others. The best buyer in the sale was W. C. Anstey, who took nearly half the offering, as he expects to stay in the business. Other good buyers were J. B. Roberts, Marathon, Iowa; Claire Ericson, Cumberland, Iowa; Cruise & Burrows, Massena, Iowa; C. W. Gaumer & Son, Murray, Iowa; Marion Armentrout, Harlan, Iowa; Wyckoff & Eblen, Massena, Iowa; Lazear Hereford Farms, Derby, Iowa; Munn Bros., Waverly, Iowa; Ora Buckner, Massena, Iowa, and Ed Kruml, Ericsson, Neb. Col. Jim Magness and John Cruise did the selling on the block, with Ben and Ray Magness in the ring. These boys did a good piece of work in the selling, and the cattle will make money for those who bought them.

The Creston Hereford Breeders sale, at Creston, Iowa, November 12, drew a crowded house, and they made a most excellent sale—in fact, the best sale they have had for several years. They sold 21 head of bulls at an average of $245 per head and 39 head of cows and heifers at an average of $206.68. The 60 head averaged $218.95. The top bull was B. Jupiter Domino 3d, consigned by Doyle Bidwell, St. Charles, Iowa, and he went to J. D. Mosberger, Grant City, Mo., at $400. The top female was the heifer, W. H. F. Miss Domino 18th, consigned by A. Cecil Walker, and she went to Harvey Johnson, Exira, Iowa, at $400. Mr. Johnson also took her half-sister, W. H. F. Miss Domino 20th, at $335. When you take into consideration that some of these were heifer and bull calves, it must be regarded as a good sale. The cattle were in good condition, and it only shows they can sell good cattle at Creston if they will only make them good. Col. Guy Pettit sold the cattle. Ray A. Wilson is the secretary of this association.

The C. W. Nelson Spotted Poland China sale was one of the good ones of the season. His boars made an average of $145 per head and his gilts averaged $75. His top boar was No. 25, to Miles & Max Mann, Woodbine, Iowa, at $1,000. Clifford Pittstick, Jolley, Iowa, took No. 4 at $775; Clarence Hock, Gilmore City, Iowa, got No. 5 at $280, and Ira Williams, Dell Rapids, S. D., secured No. 63 at $240 and No. 36 at $180. Henry Kieper, Wayne, Neb., got No. 1 at $200; No. 58, N. C. Axlive, Sportland, Ill., $185; No. 50, Andy Cooper, Sherrard, Ill., $170; No. 7, Glenn Scott, Gray, Iowa, $155. These were the 10 top boars. Lee Winthers, Wisner, Neb., secured the top two gilts, Nos. 48 and 75, at $135 and $130. Charley Taylor did the selling.

The Iowa Holstein sale, at Waterloo, Iowa, November 19, drew a very good attendance. The top of the sale was Lot 26, a three-year-old from the J. G. Robertson & Sons herd, and sold at $675 to P. P. Stewart, Maynard, Iowa. Lot 24, from the same herd, went at $615 to Mr. Stewart also. Lot 1, the Alfred Paper heifer, sold for $550 to Weaver Witmer, Cedar Rapids, Iowa. The top bull was Lot 7, a P. P. Stewart entry, a May calf, and sold for $425 to Dr. Chas. Manahan, Vinton, Iowa. The 49 females averaged $330 and the nine bulls $244, with the 58 lots at $360 each. Auctioneers, J. E. Mack and J. E. Halsey.

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